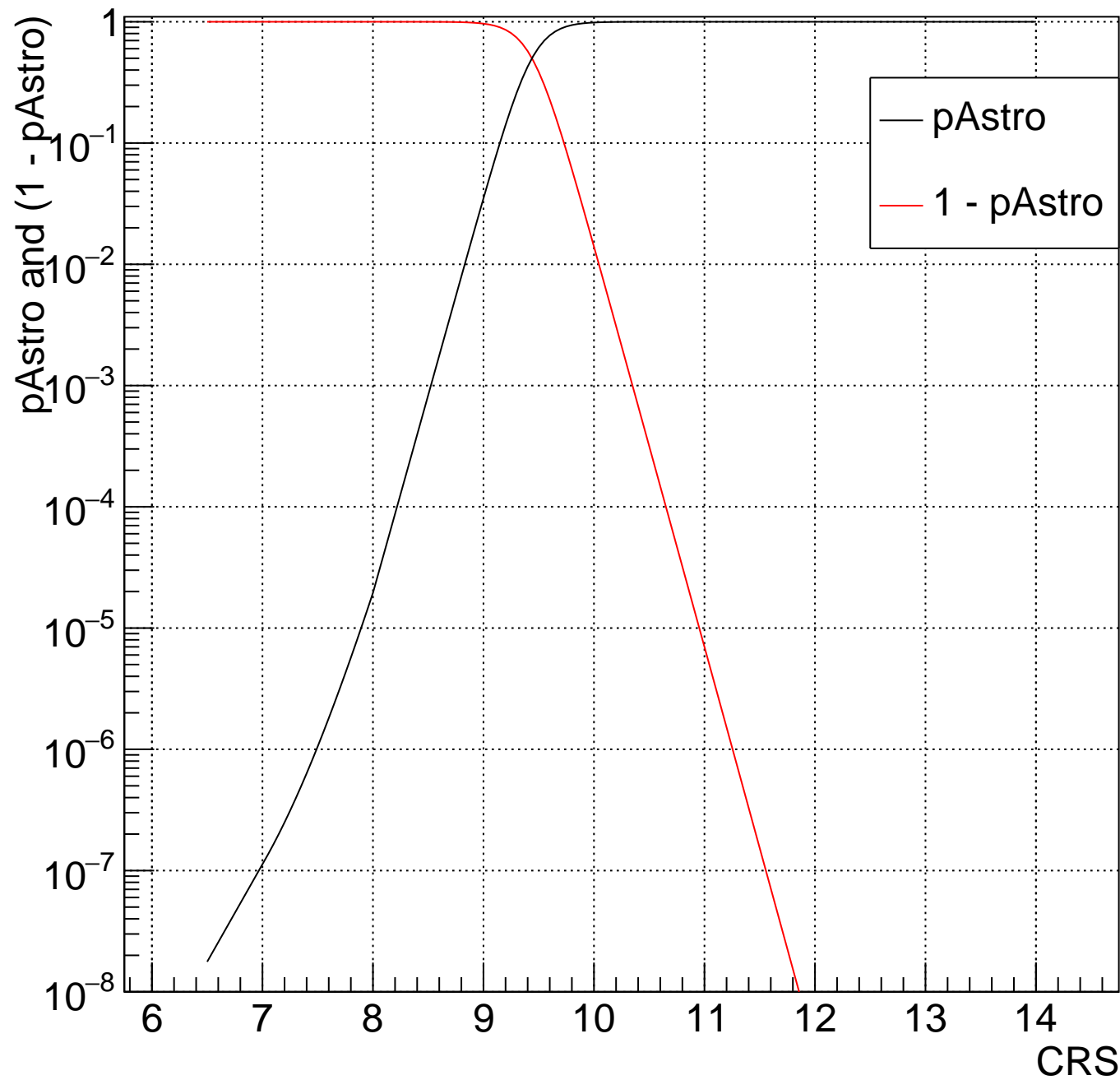
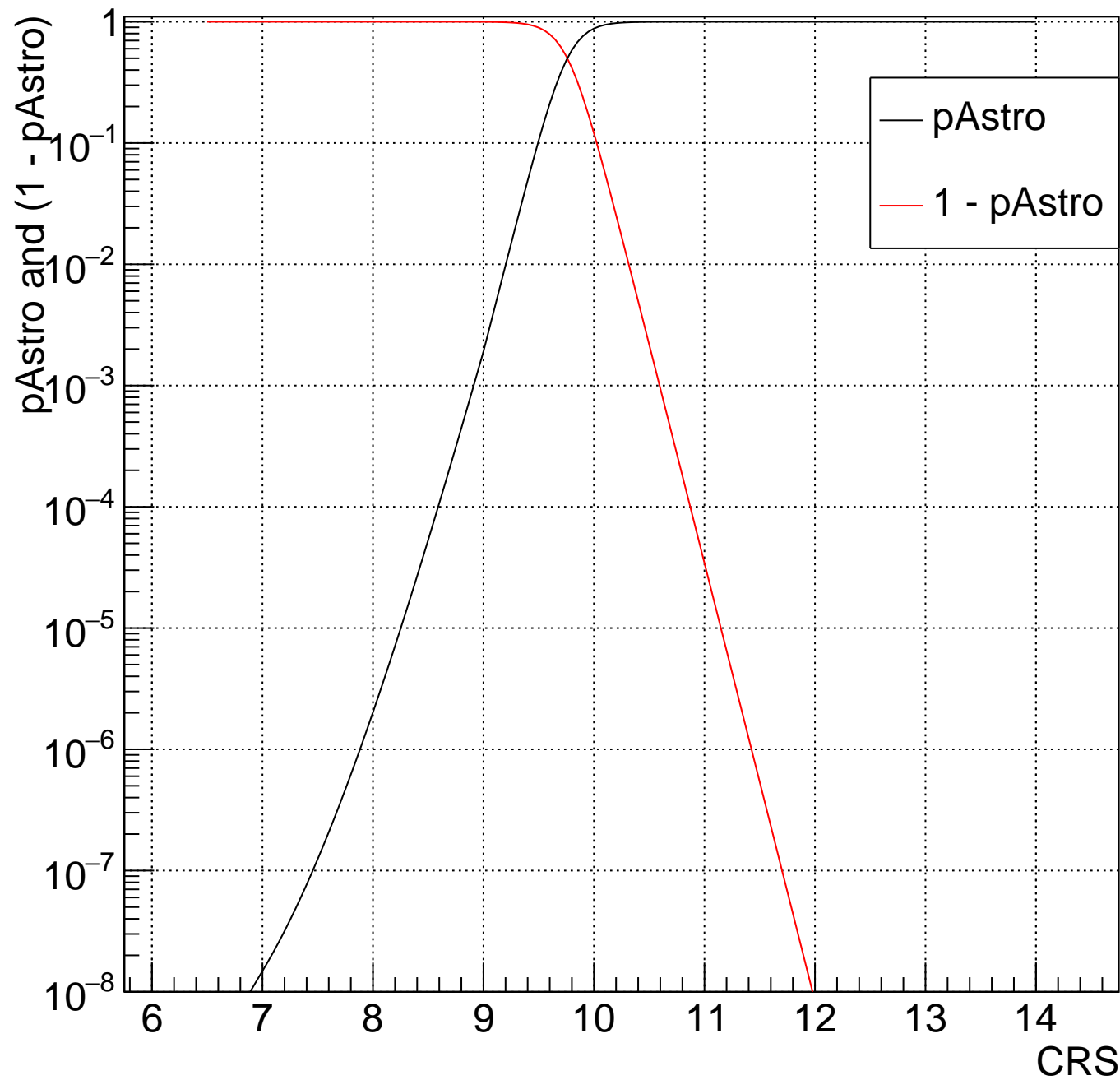


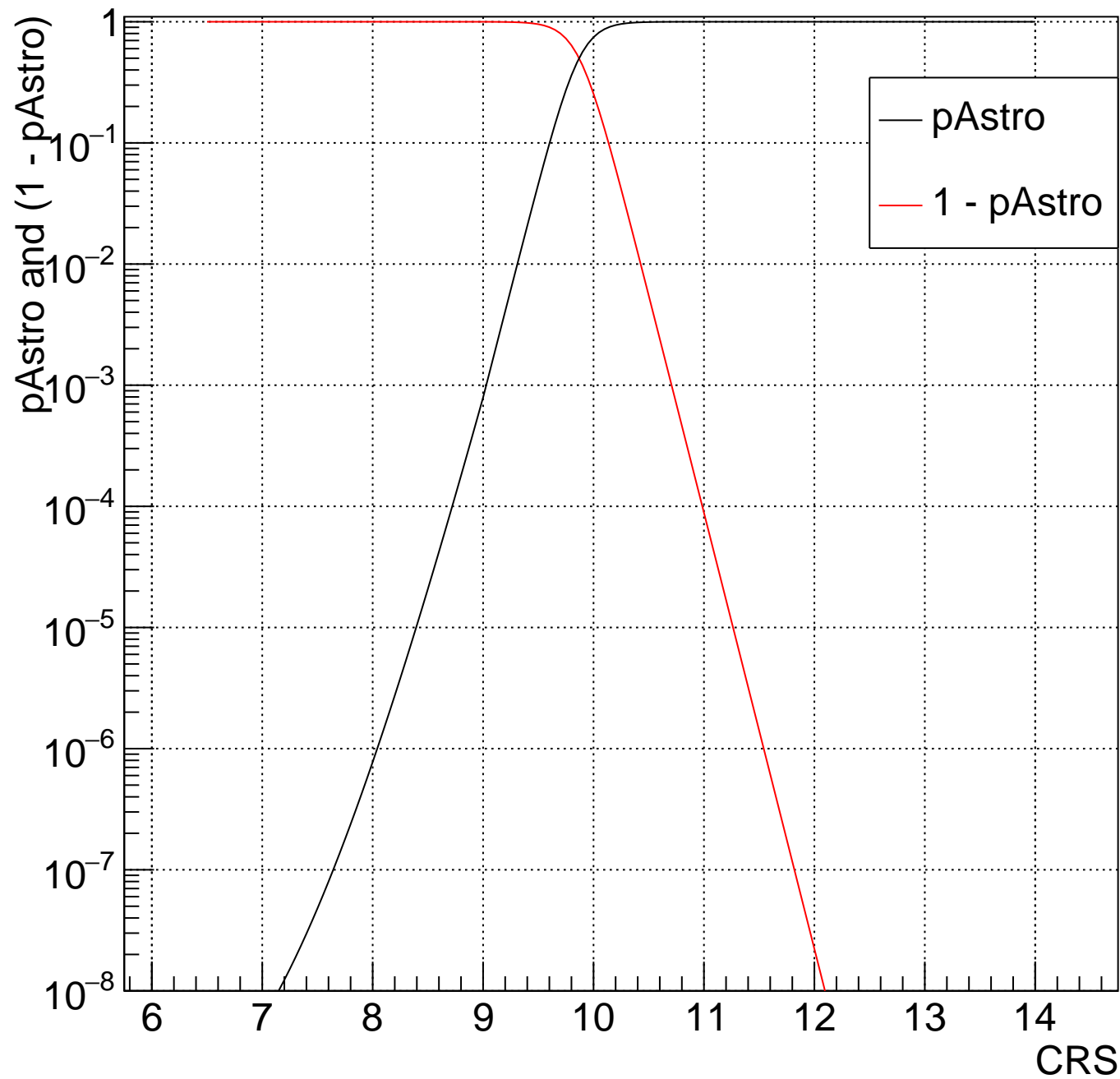
HL Bin:10  $1.408 < m_{\text{Chirp}} < 1.478$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



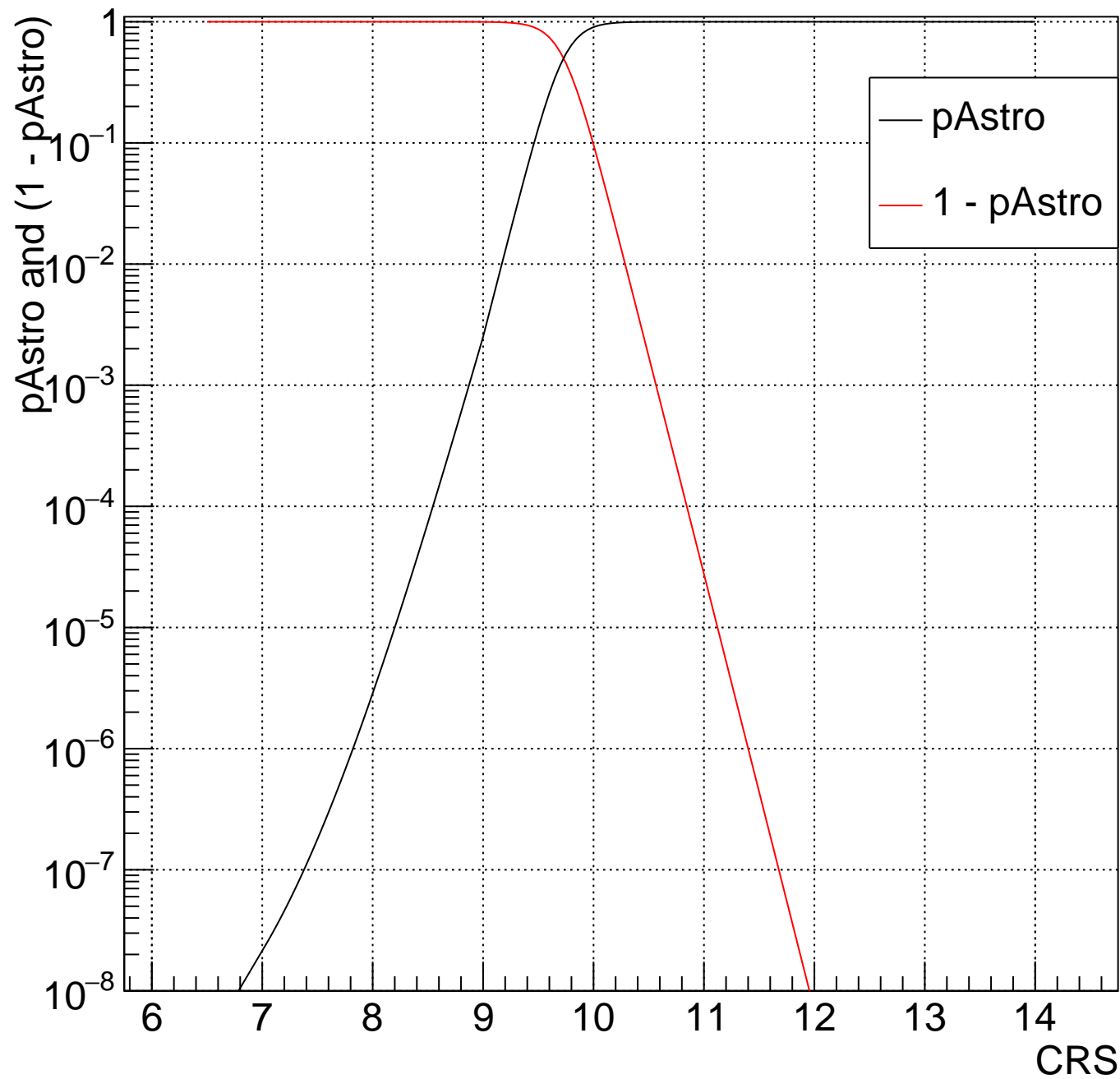
HL Bin:11  $1.478 < m_{\text{Chirp}} < 1.551$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



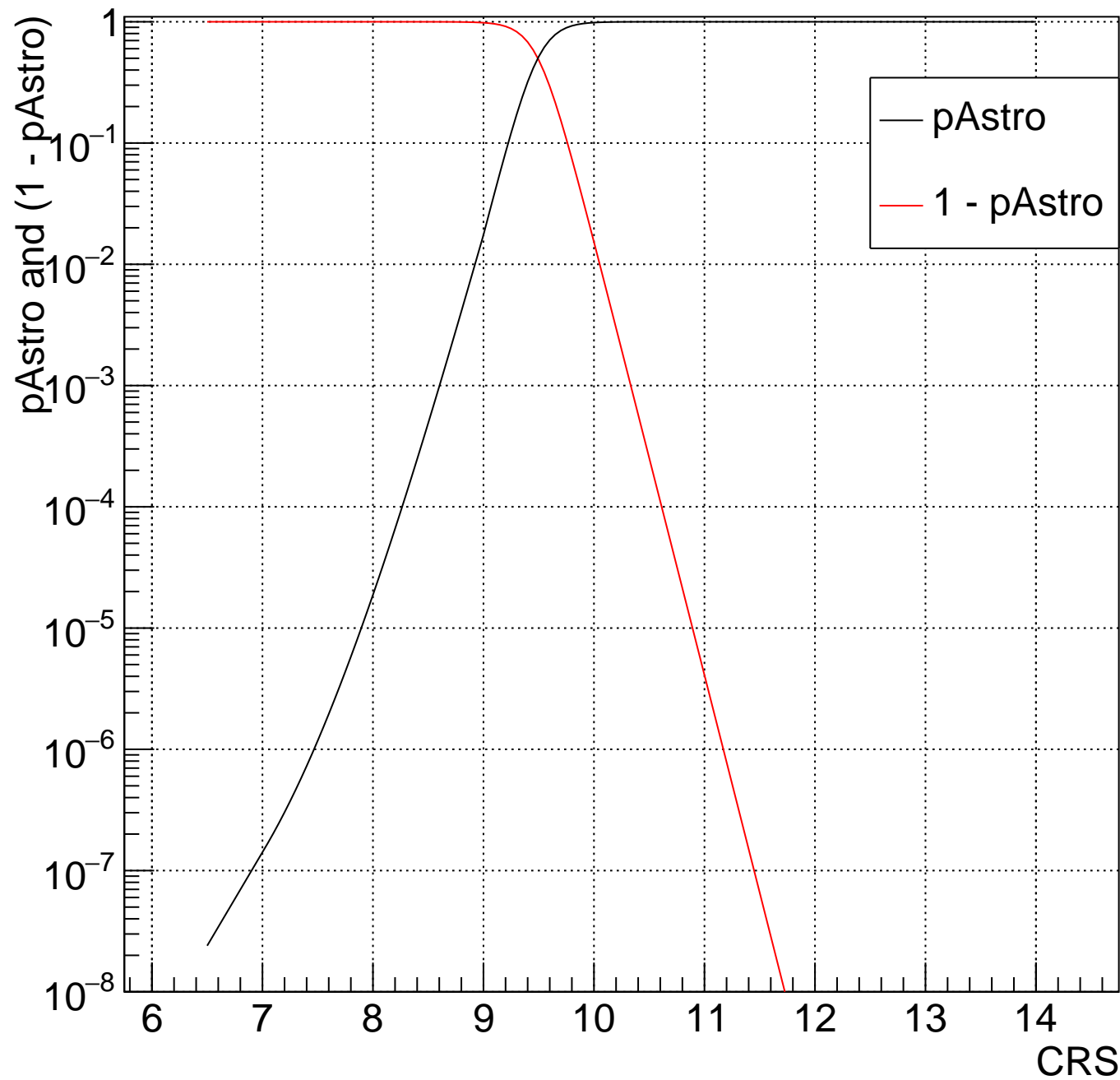
HL Bin:12  $1.551 < m_{\text{Chirp}} < 1.629$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



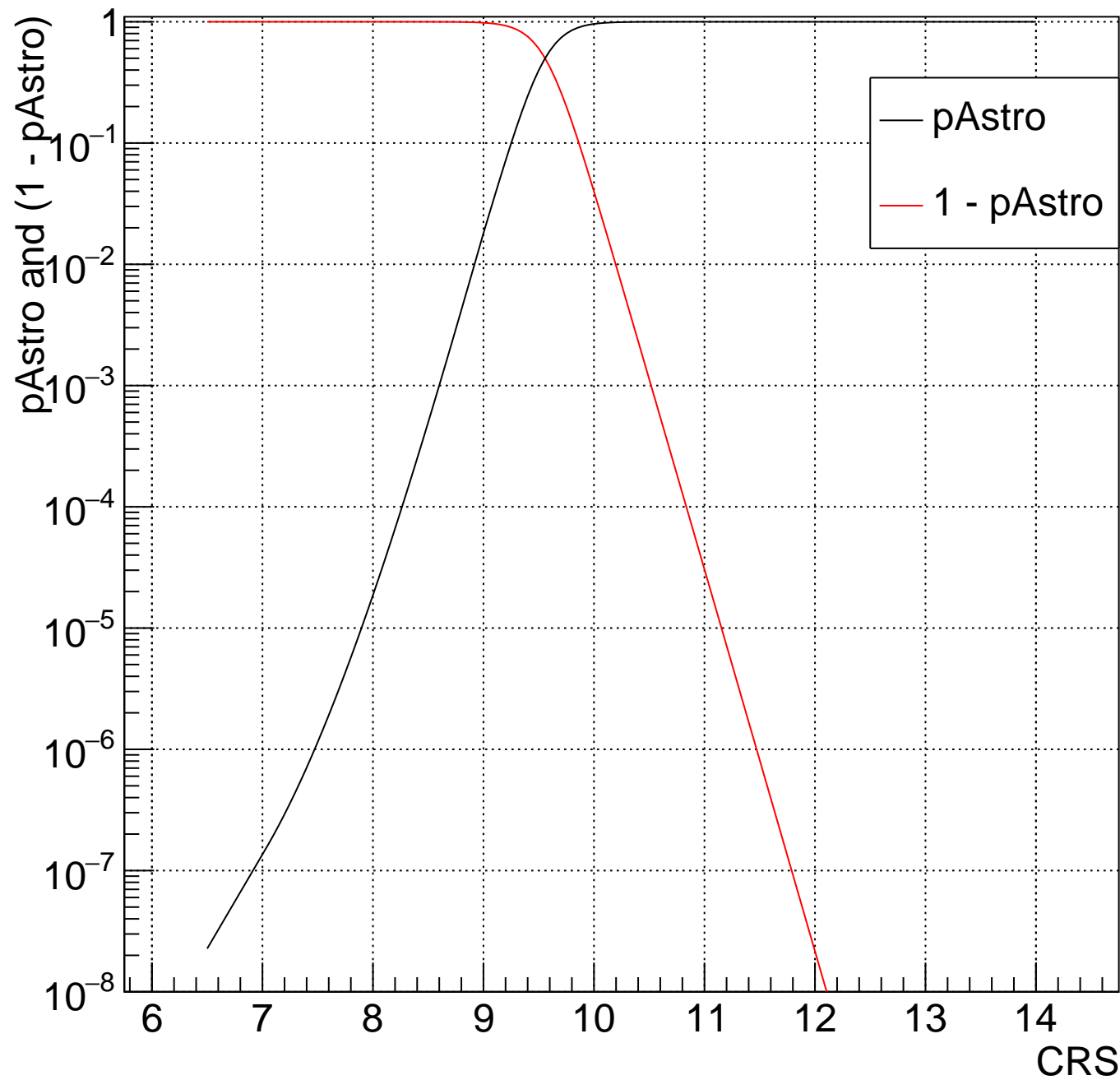
HL Bin:13  $1.629 < m_{\text{Chirp}} < 1.71$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



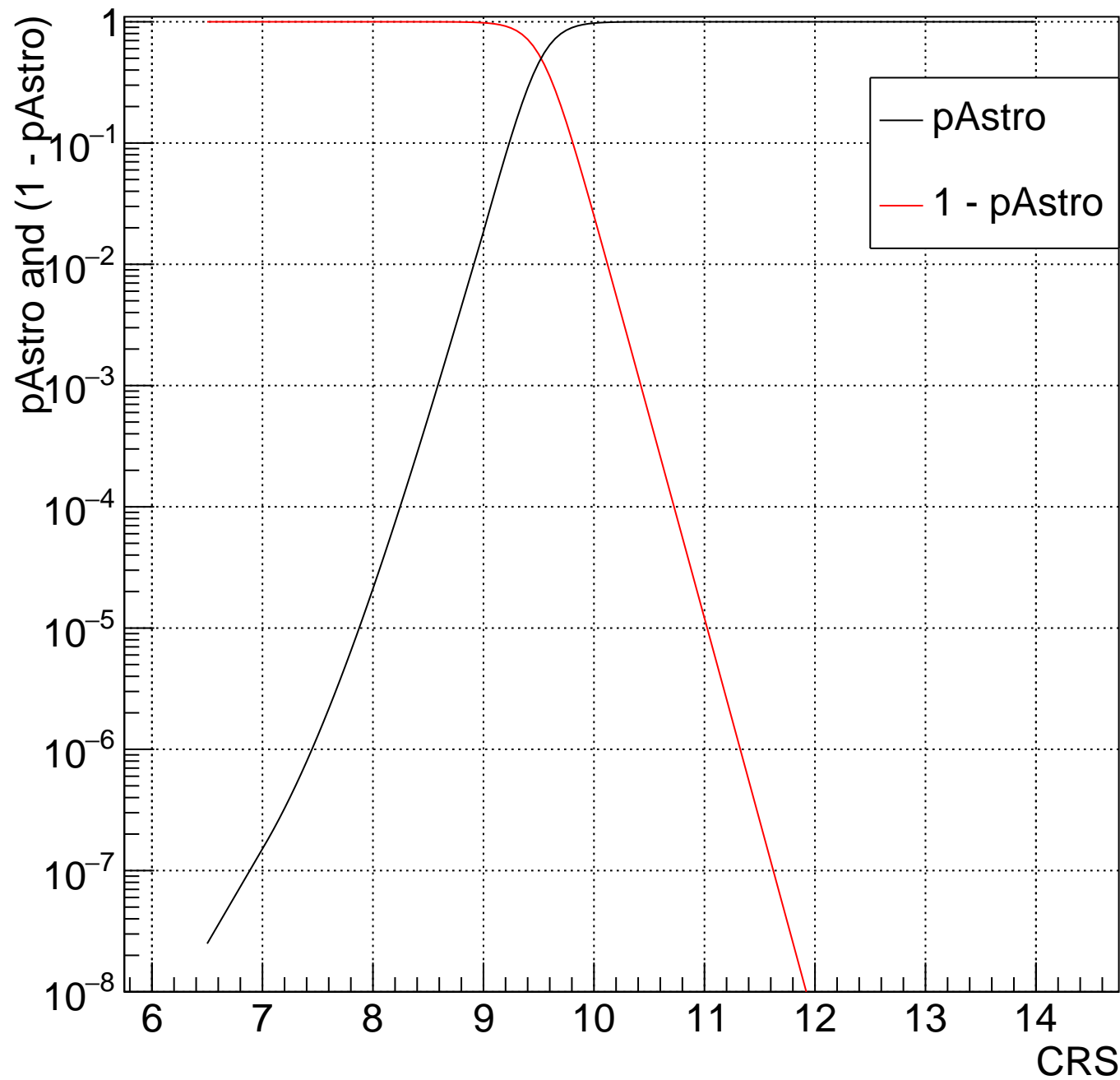
HL Bin:14  $1.71 < m_{\text{Chirp}} < 1.795$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



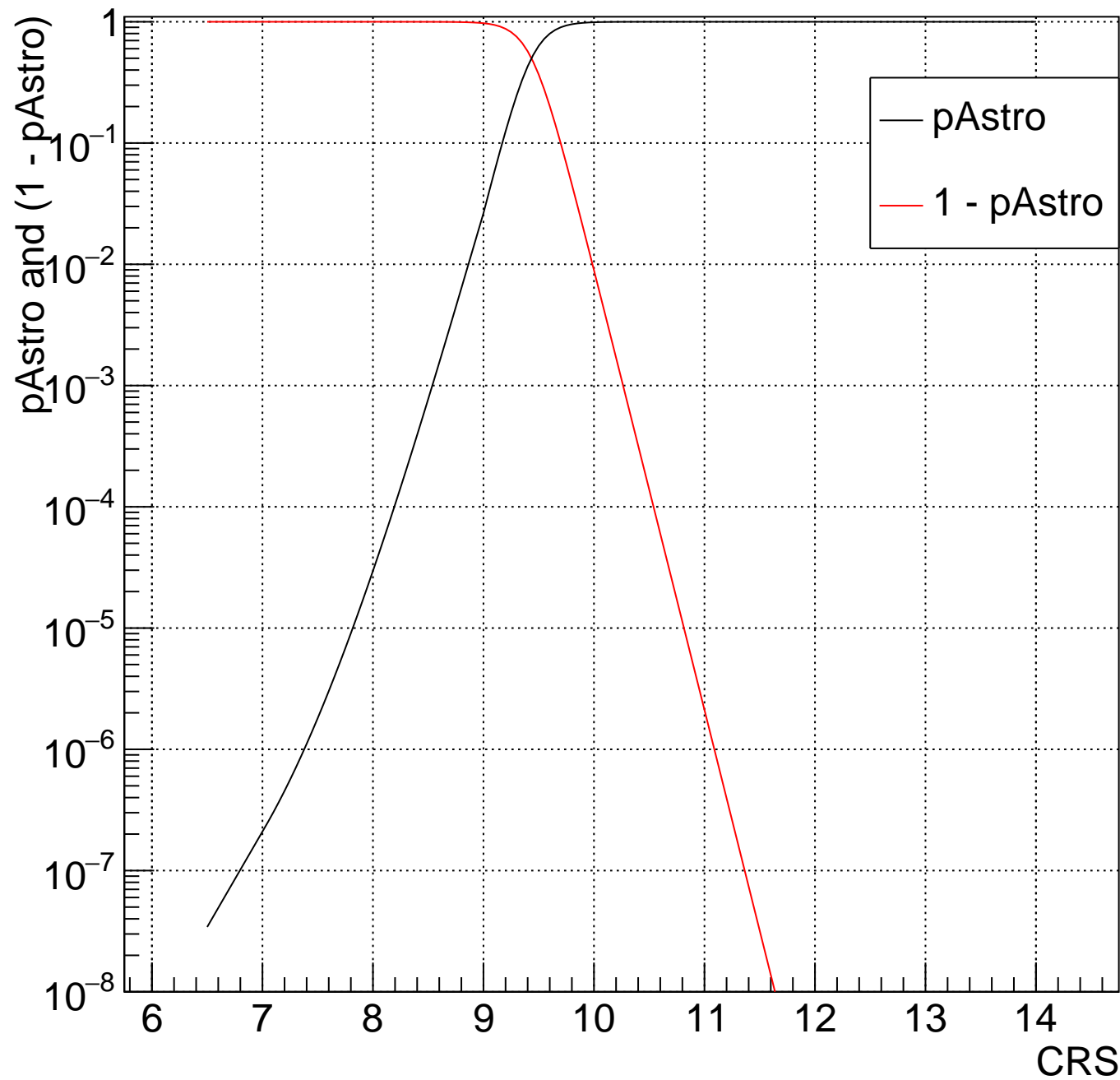
HL Bin:15  $1.795 < m_{\text{Chirp}} < 1.884$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



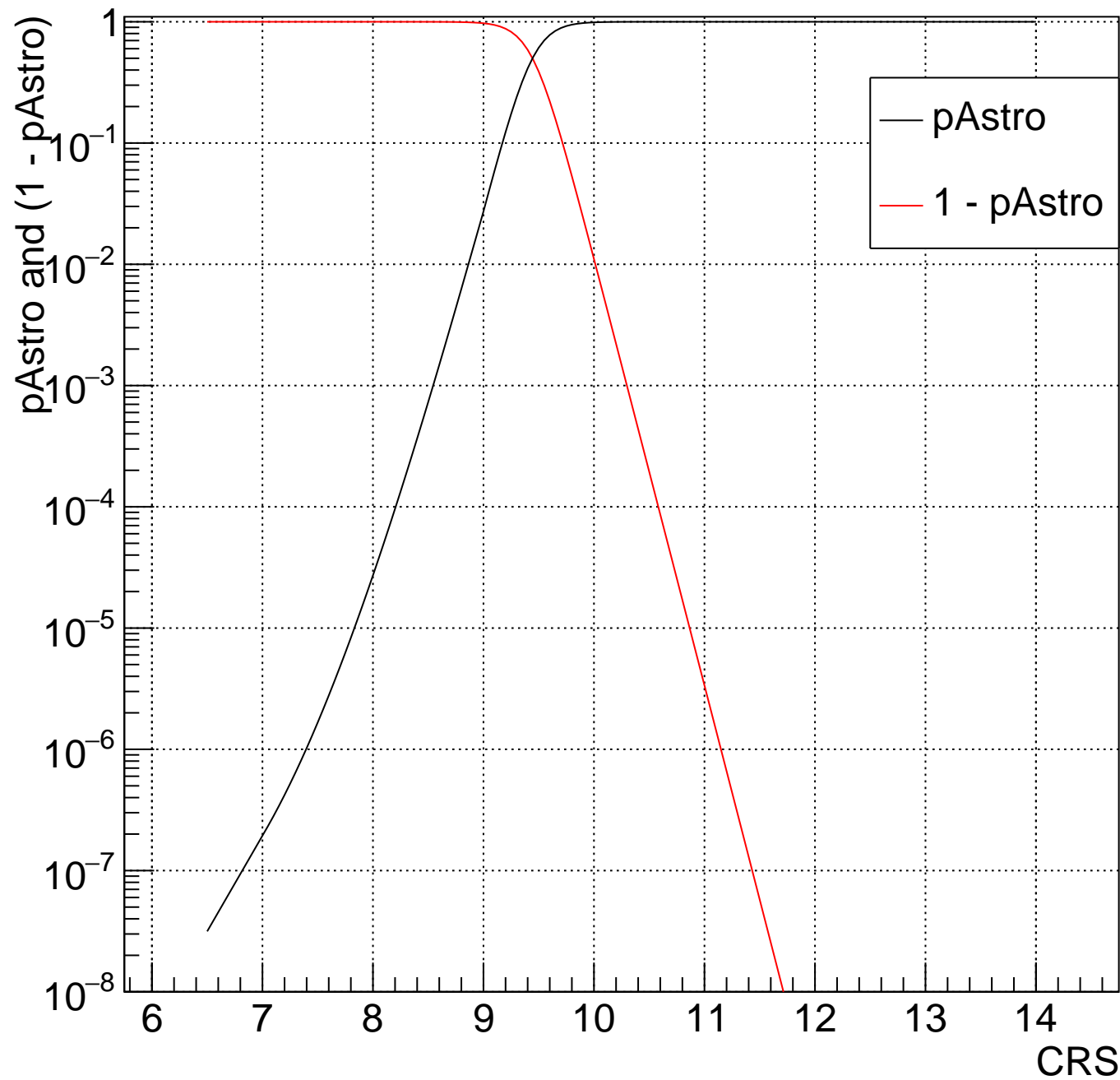
HL Bin:16  $1.884 < m_{\text{Chirp}} < 1.978$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



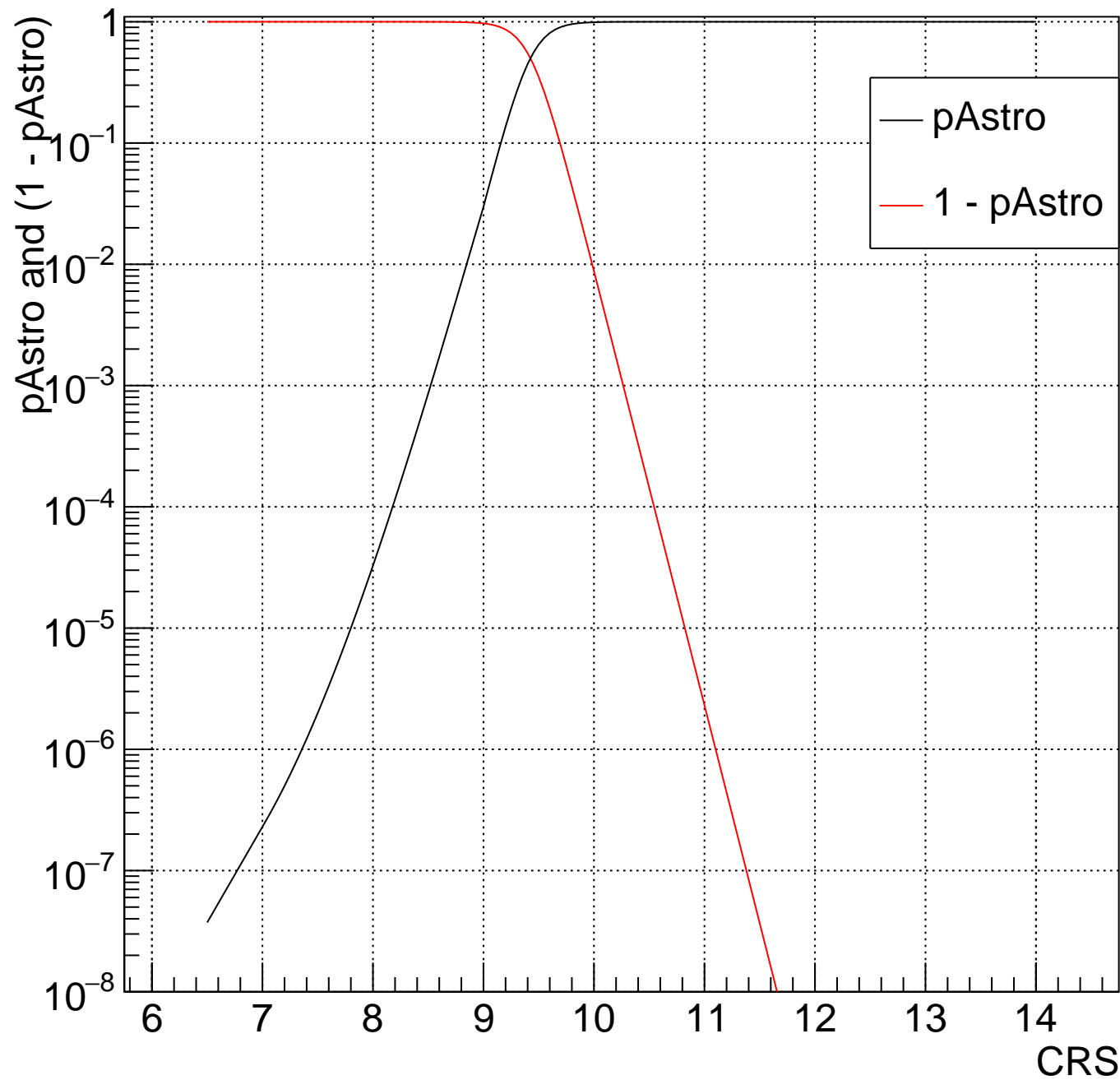
HL Bin:17  $1.978 < m_{\text{Chirp}} < 2.077$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



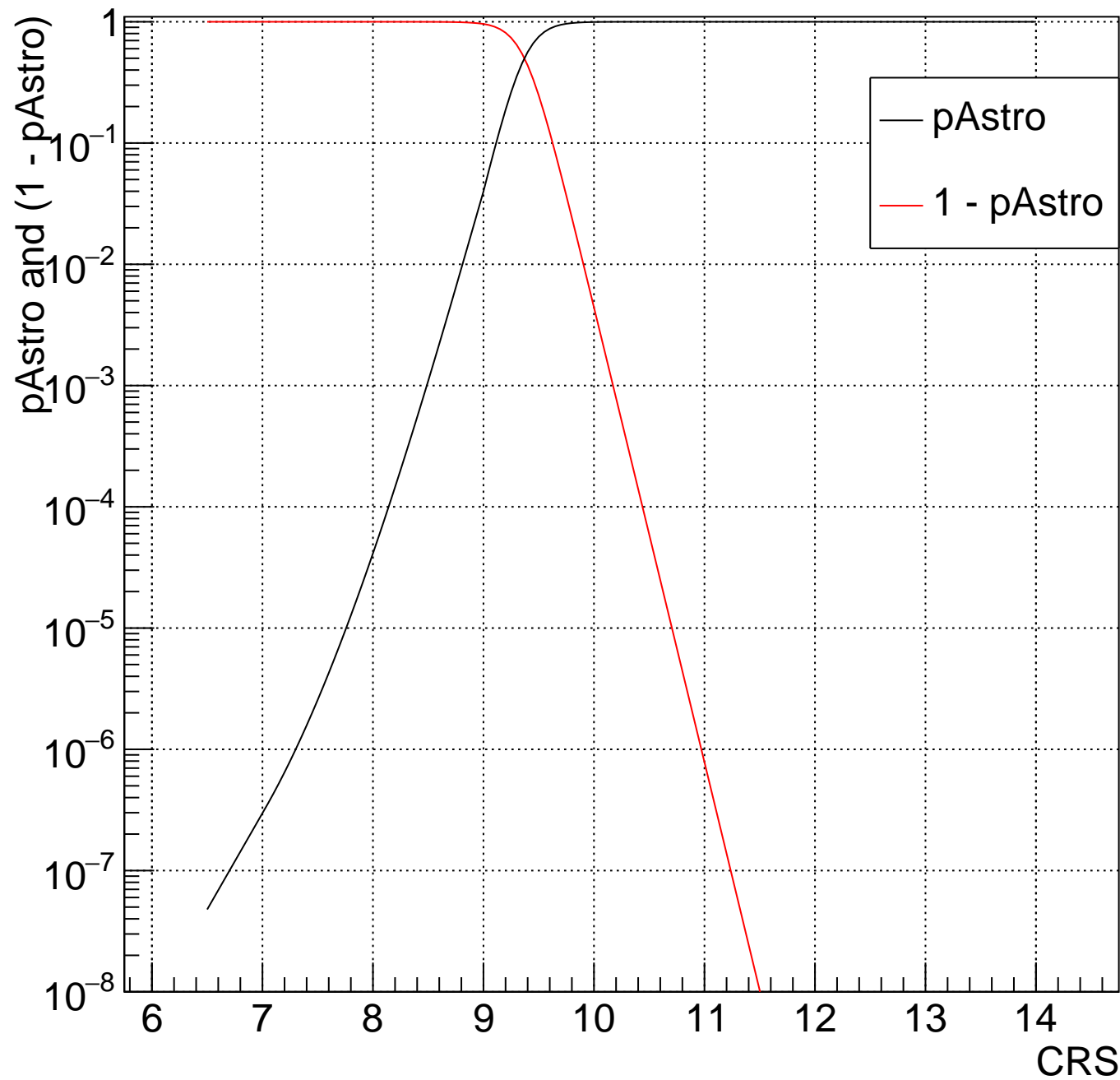
HL Bin:18  $2.077 < m_{\text{Chirp}} < 2.18$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



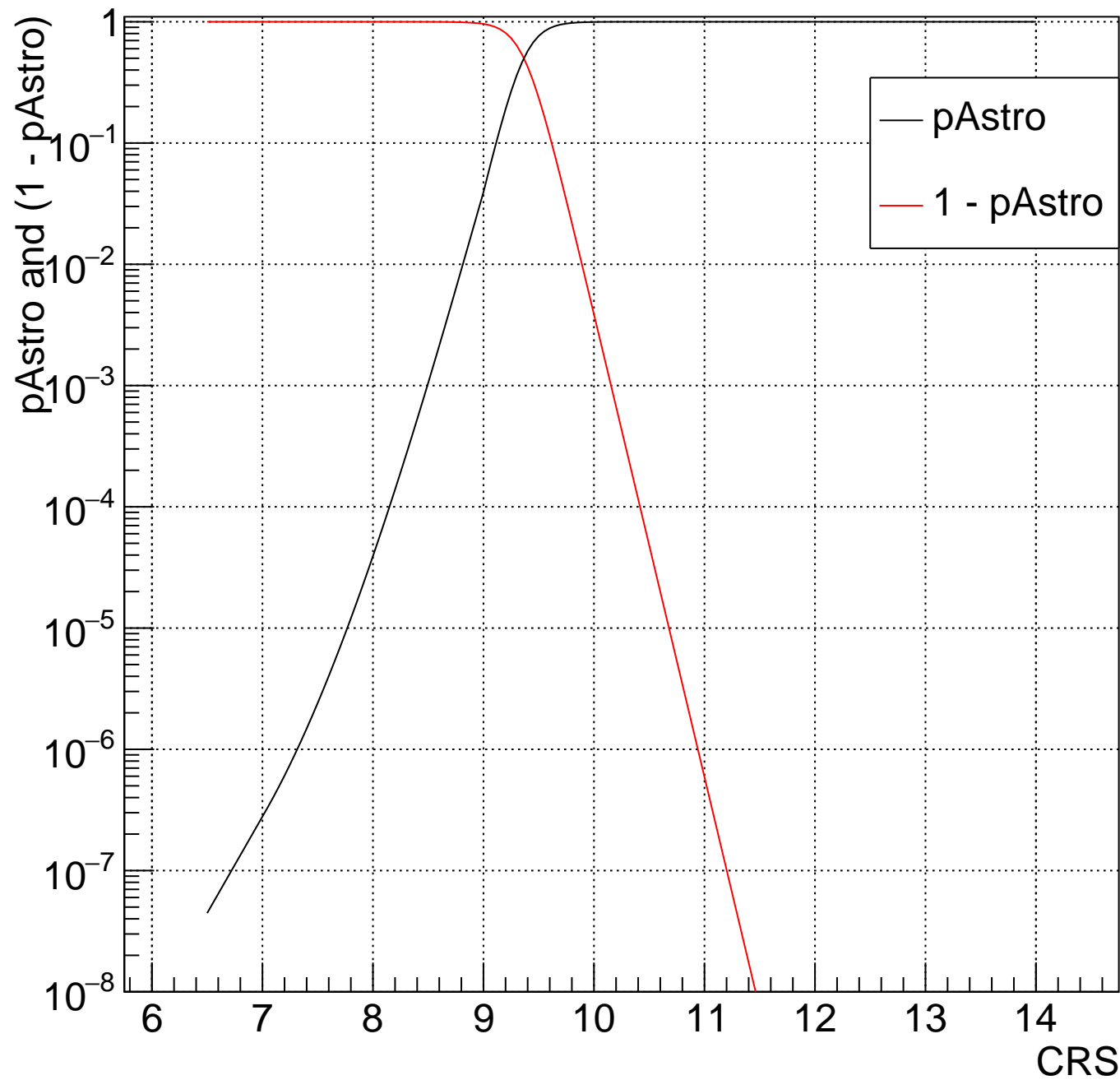
HL Bin:19  $2.18 < m_{\text{Chirp}} < 2.289$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



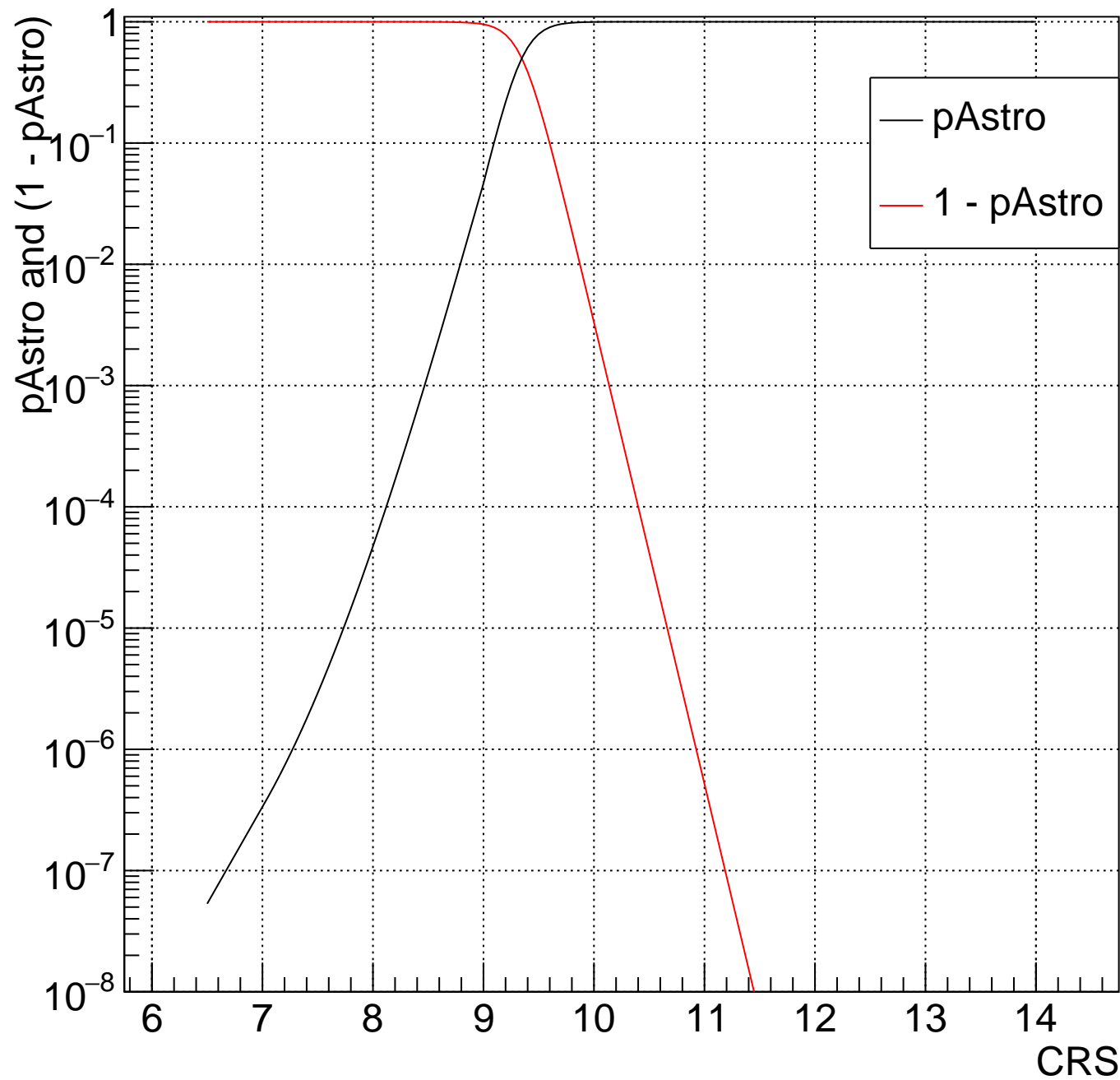
HL Bin:20  $2.289 < m_{\text{Chirp}} < 2.403$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



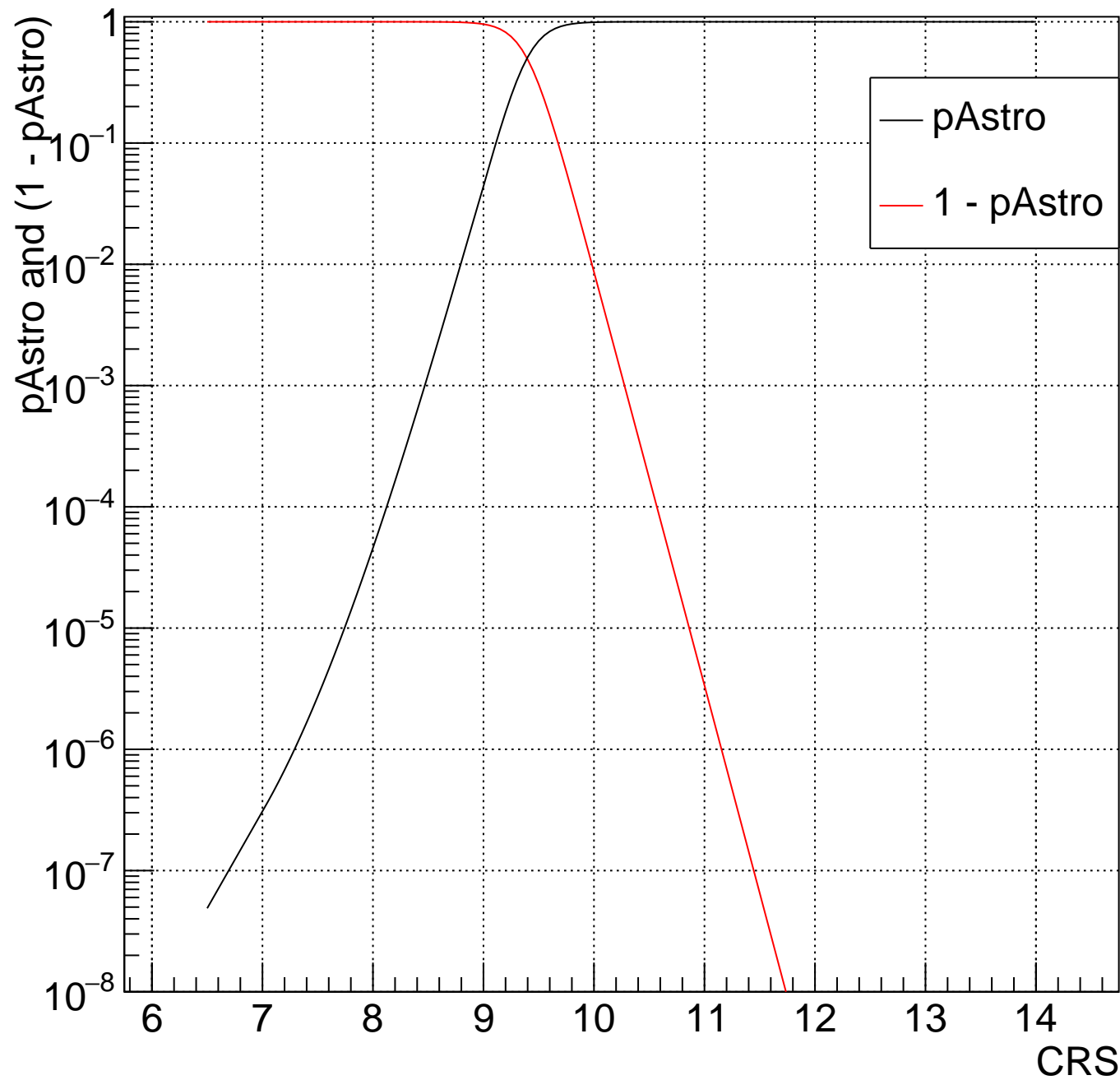
HL Bin:21  $2.403 < m_{\text{Chirp}} < 2.522$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



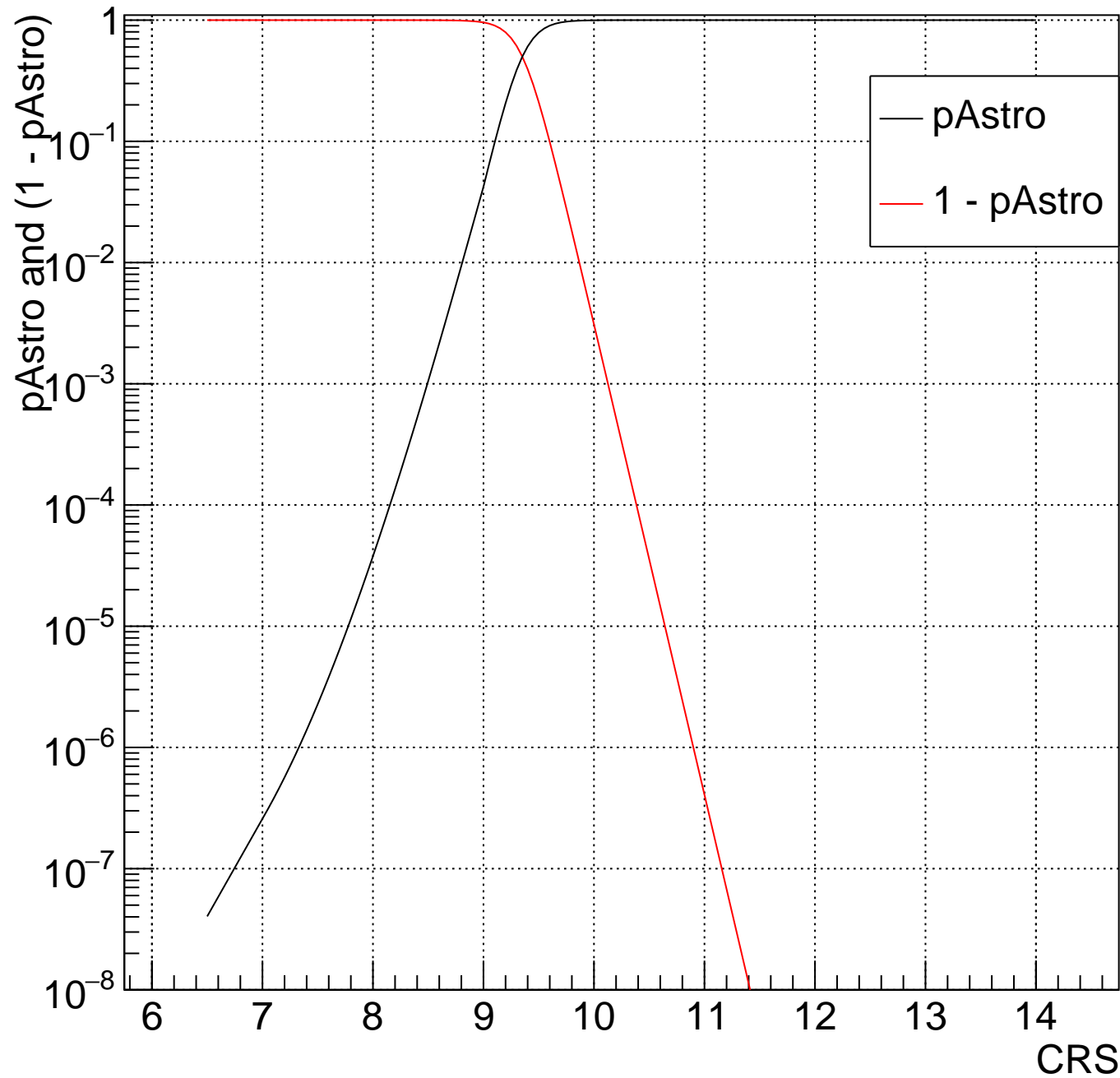
HL Bin:22  $2.522 < m_{\text{Chirp}} < 2.648$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



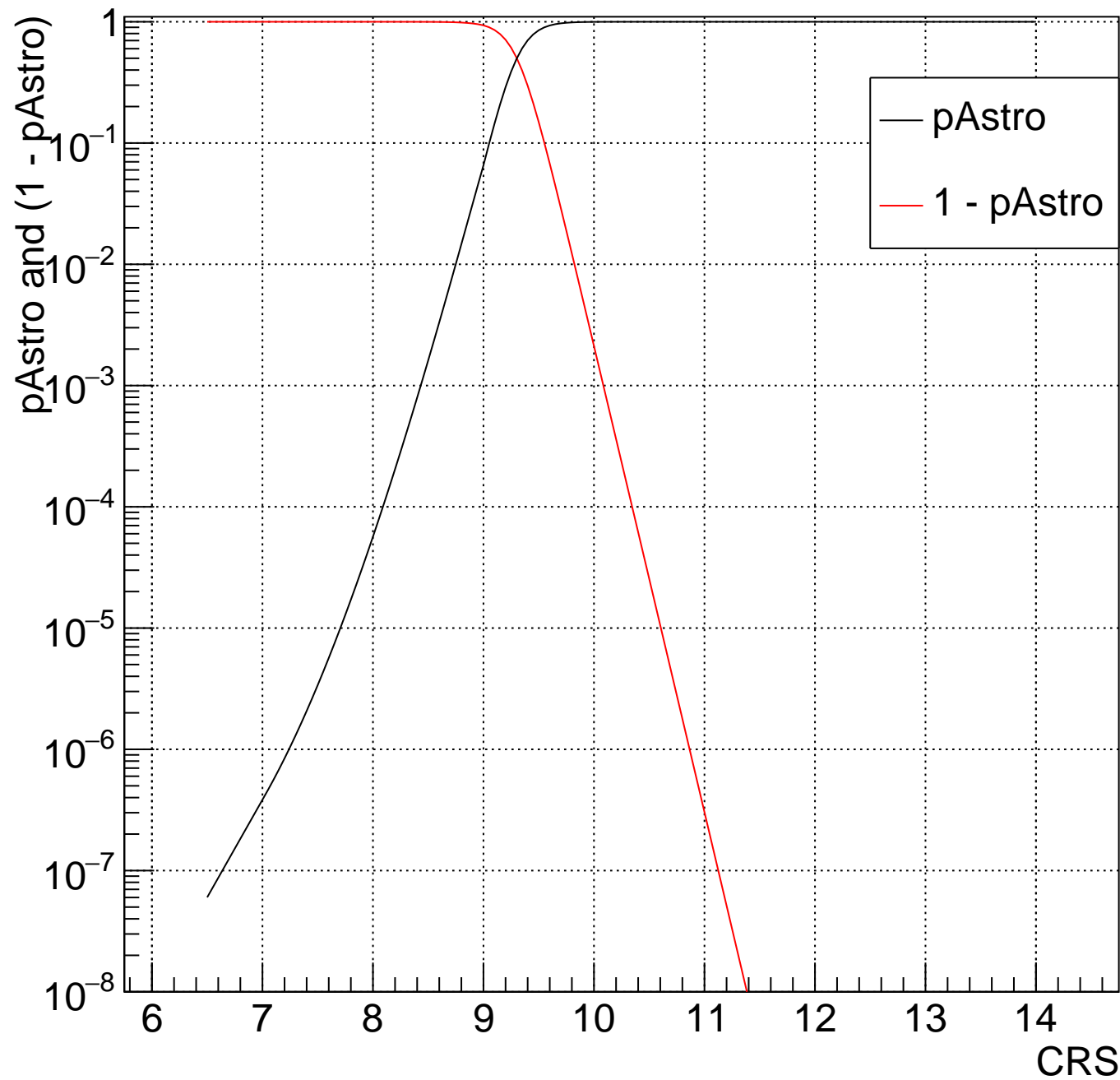
HL Bin:23  $2.648 < m_{\text{Chirp}} < 2.78$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



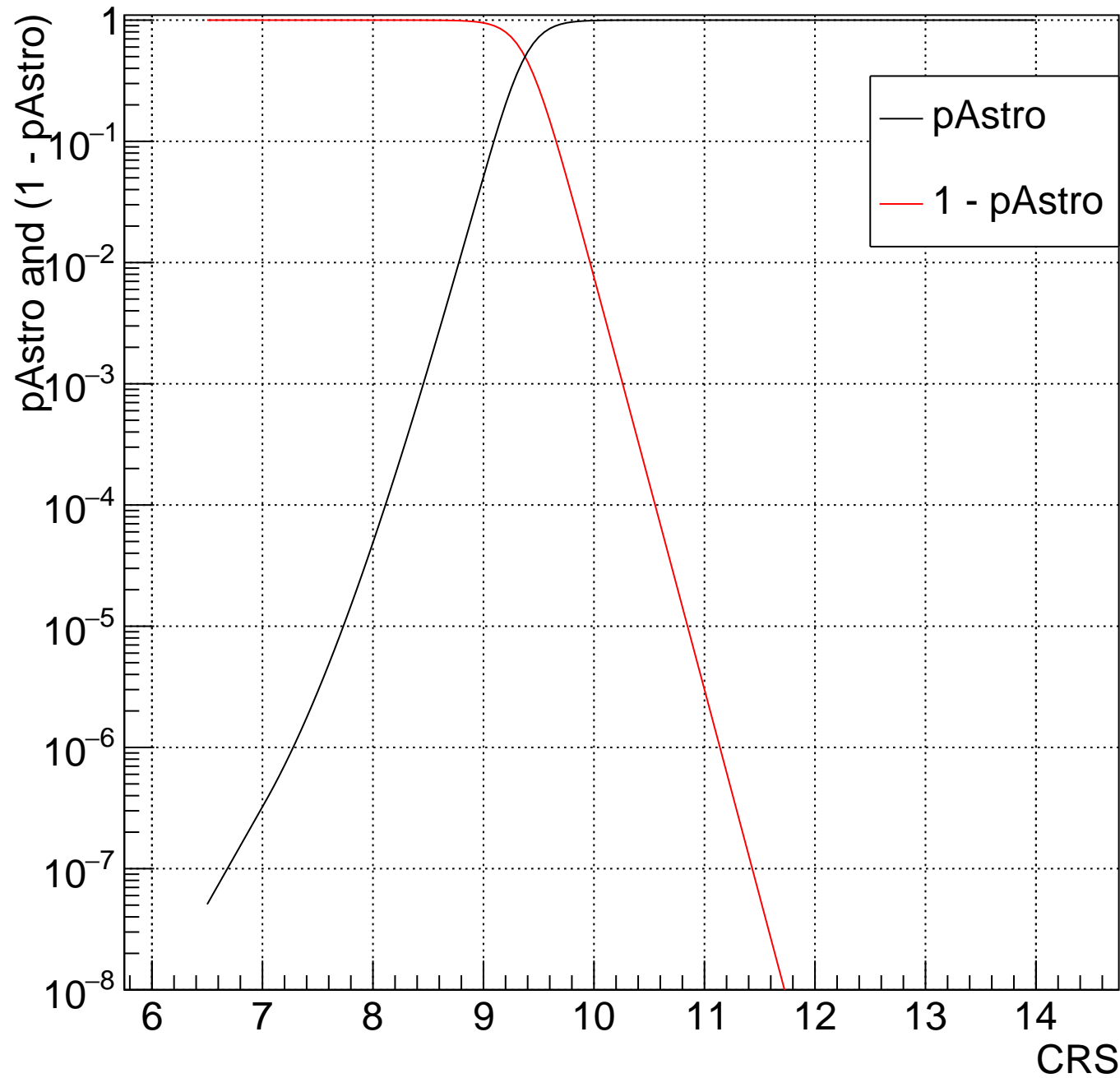
HL Bin:24  $2.78 < m_{\text{Chirp}} < 2.918$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



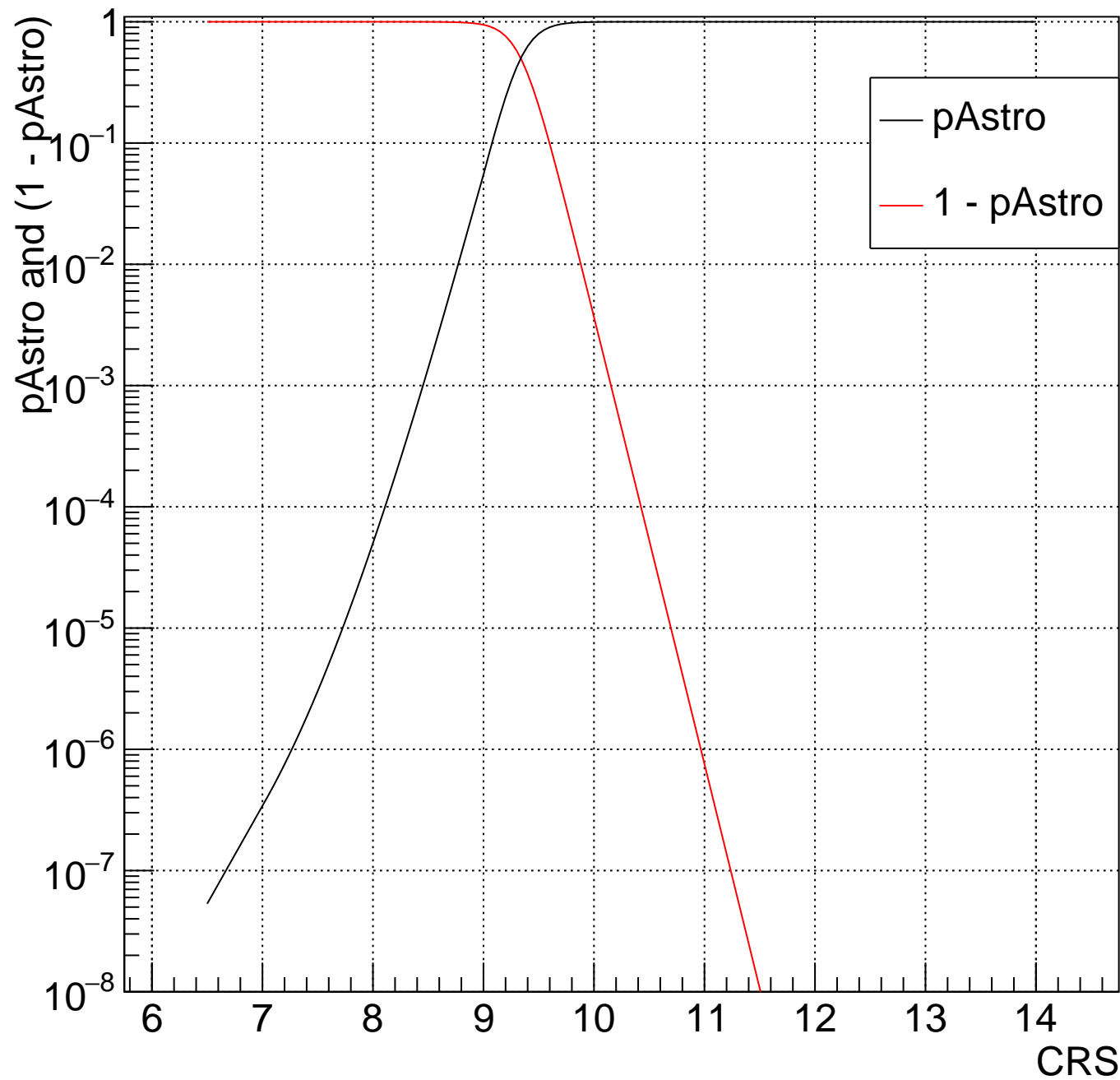
HL Bin:25  $2.918 < m_{\text{Chirp}} < 3.064$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



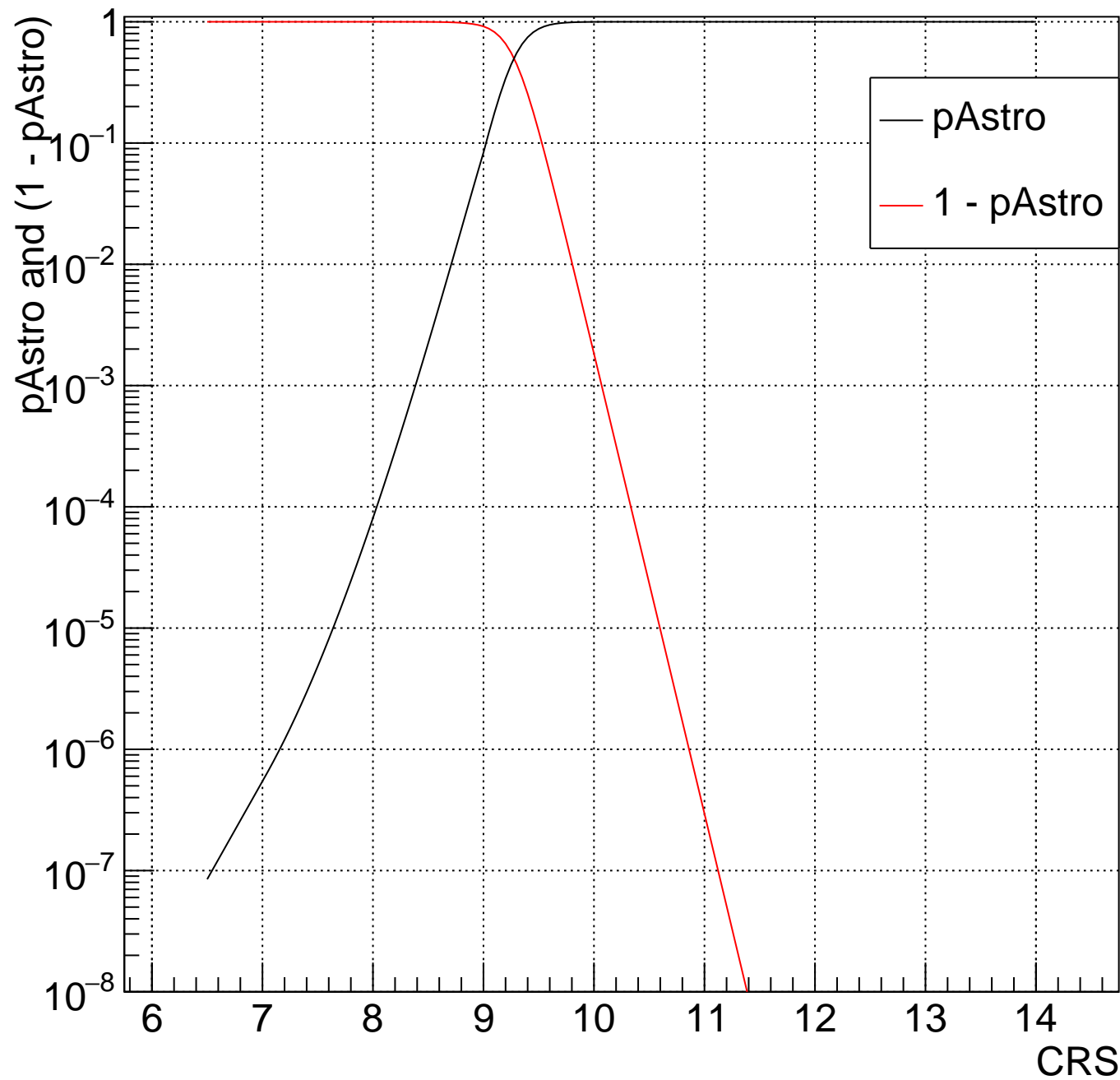
HL Bin:26  $3.064 < m_{\text{Chirp}} < 3.216$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



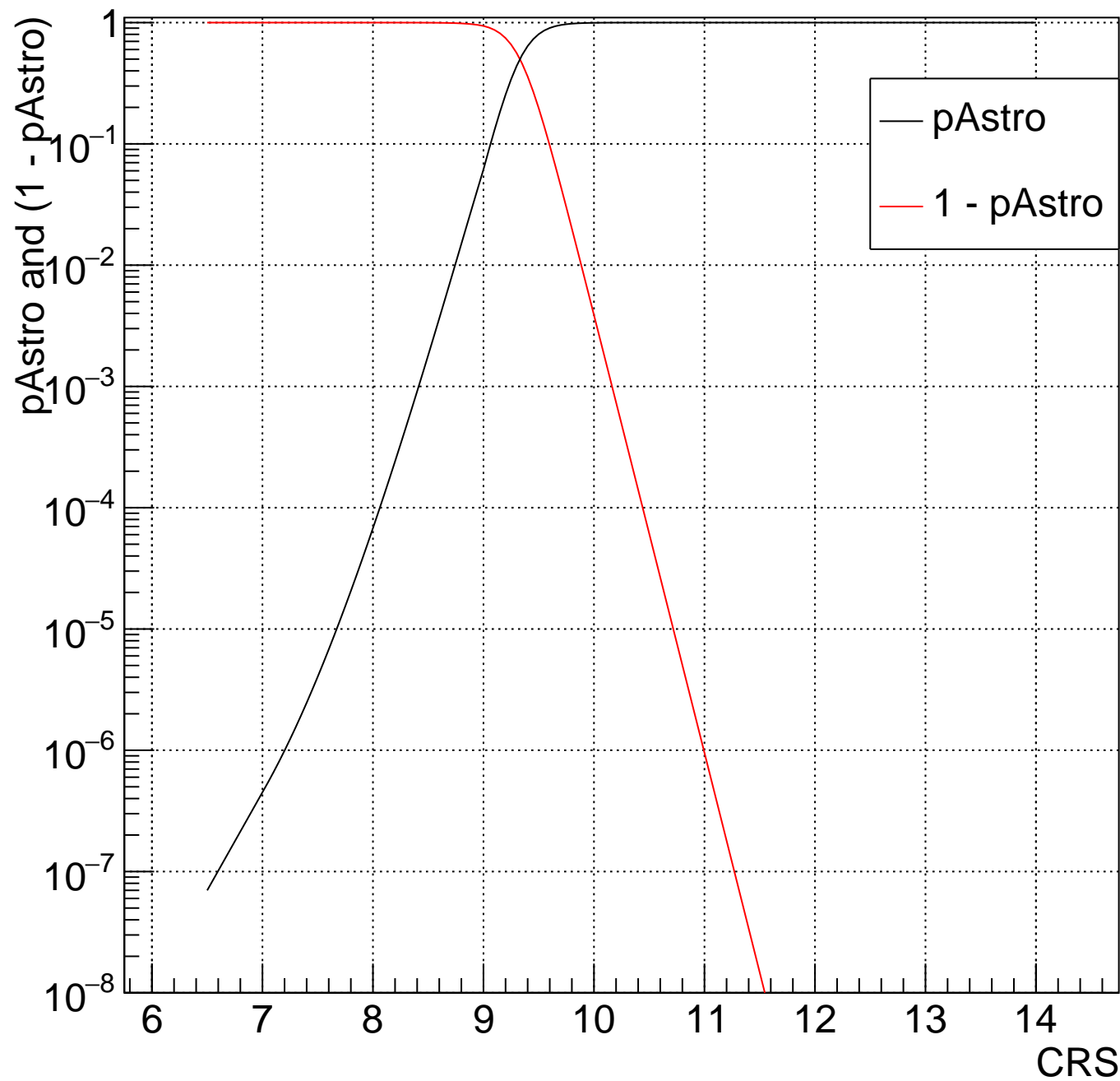
HL Bin:27  $3.216 < m_{\text{Chirp}} < 3.376$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



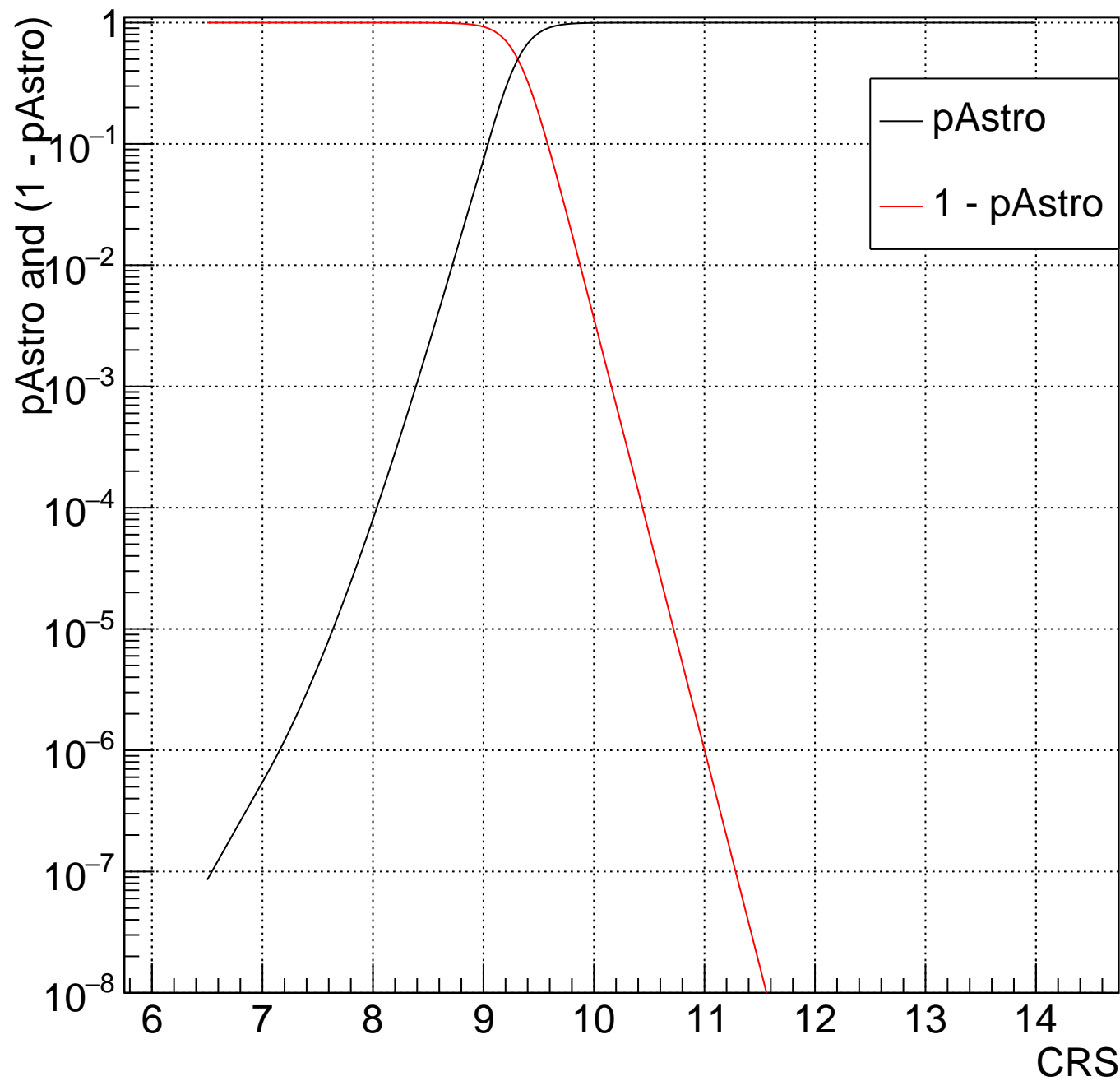
HL Bin:28  $3.376 < m_{\text{Chirp}} < 3.545$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



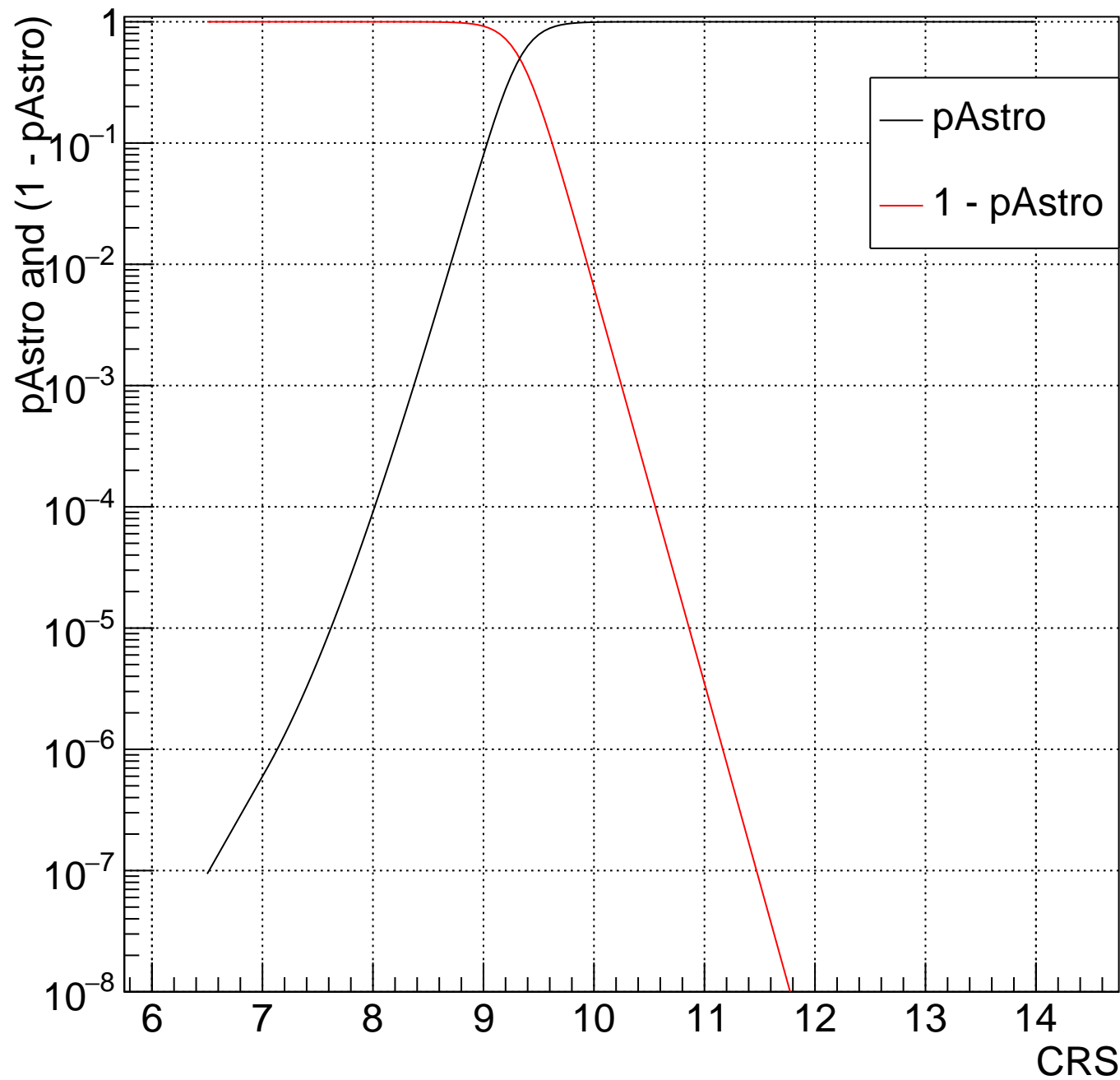
HL Bin:29  $3.545 < m_{\text{Chirp}} < 3.721$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



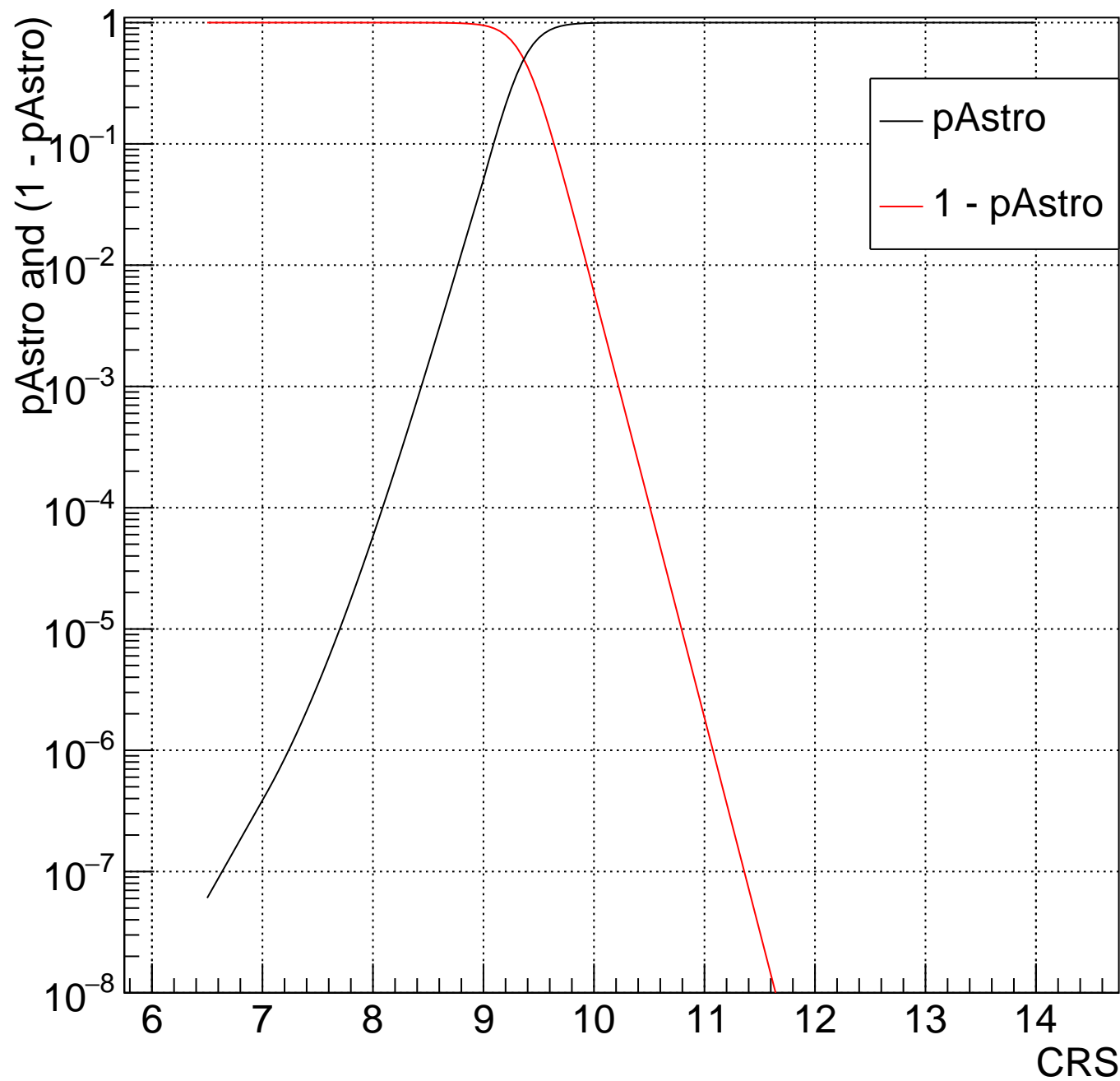
HL Bin:30  $3.721 < m_{\text{Chirp}} < 3.907$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



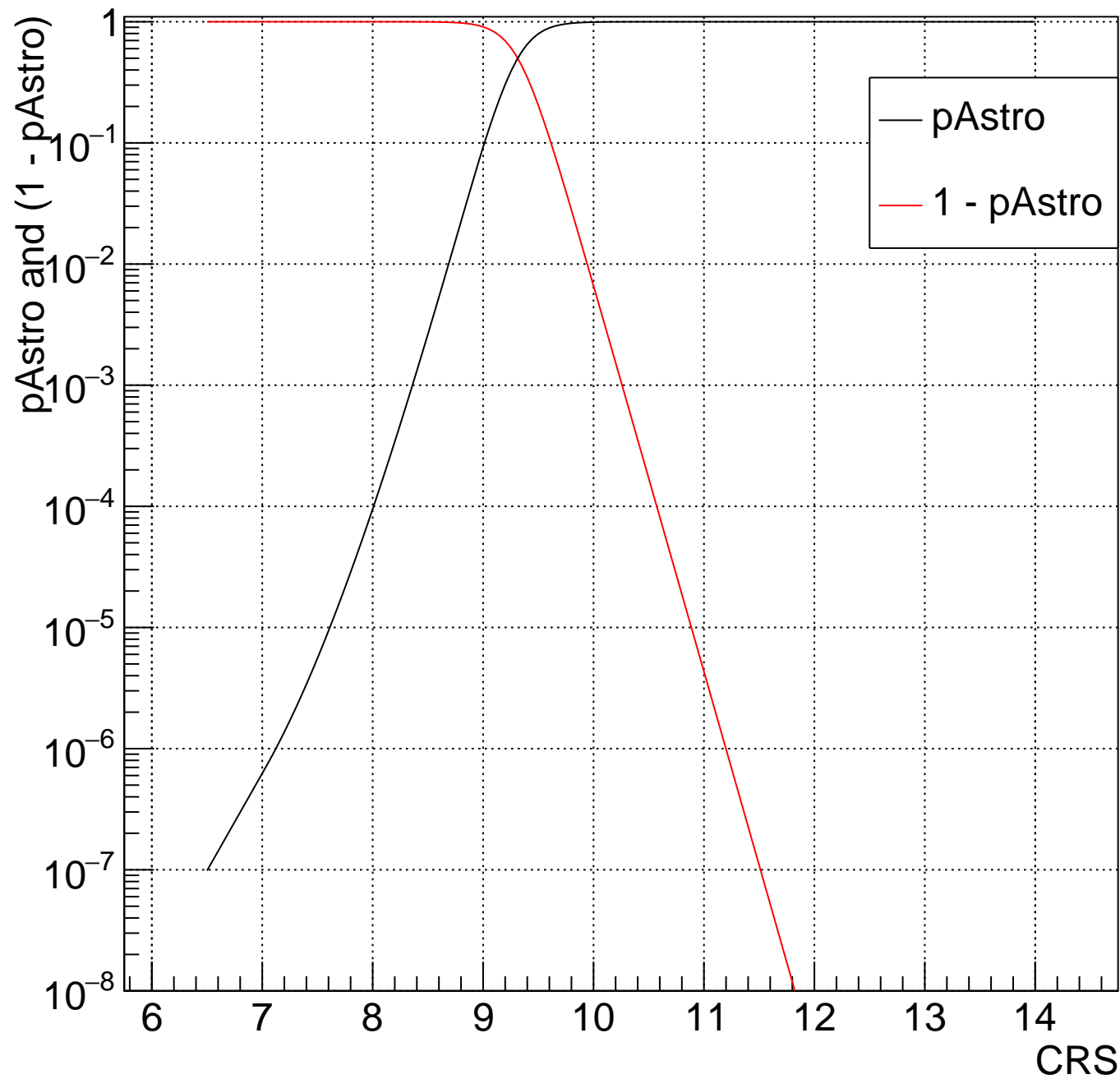
HL Bin:31  $3.907 < m_{\text{Chirp}} < 4.101$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



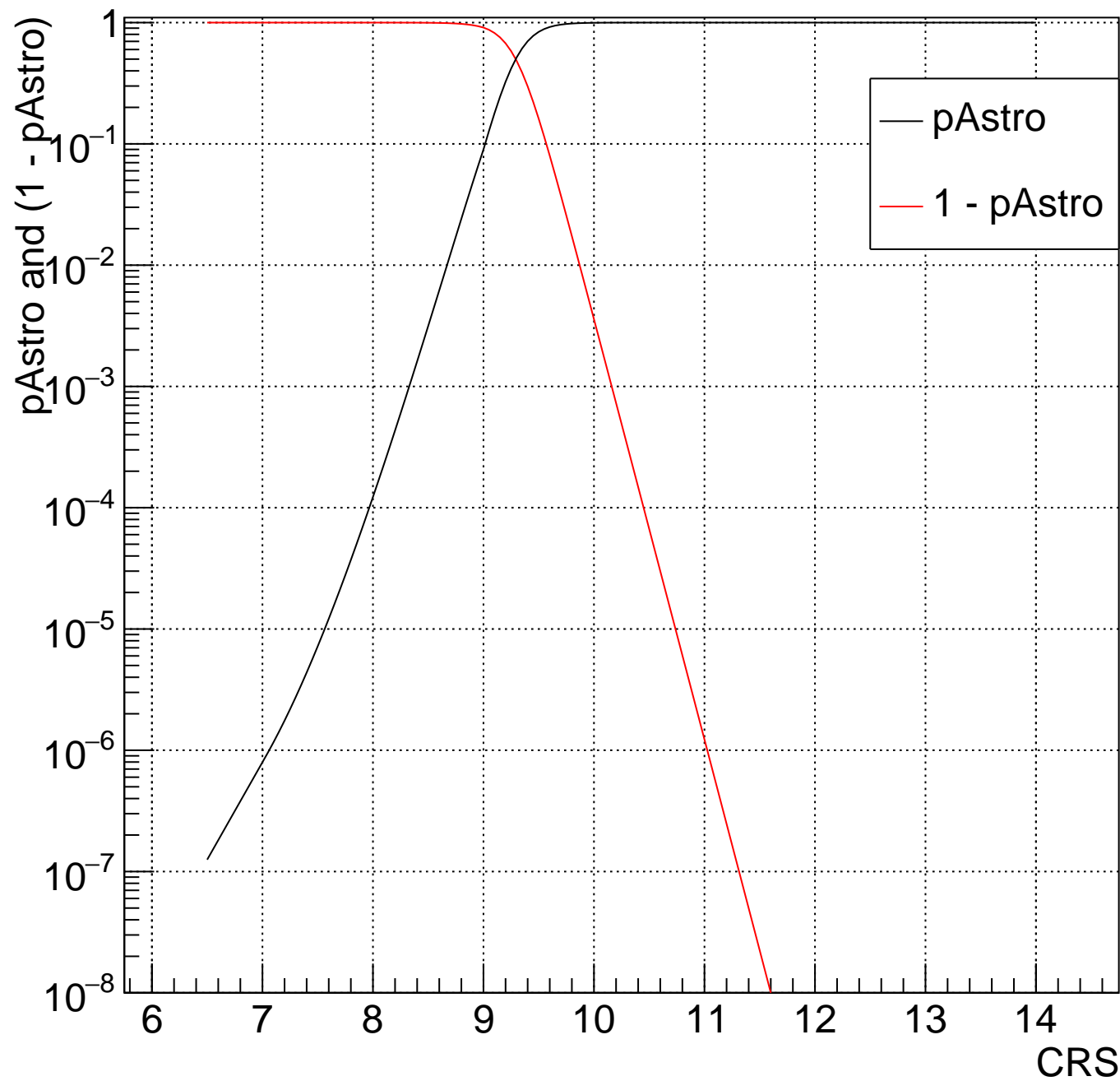
HL Bin:32  $4.101 < m_{\text{Chirp}} < 4.305$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



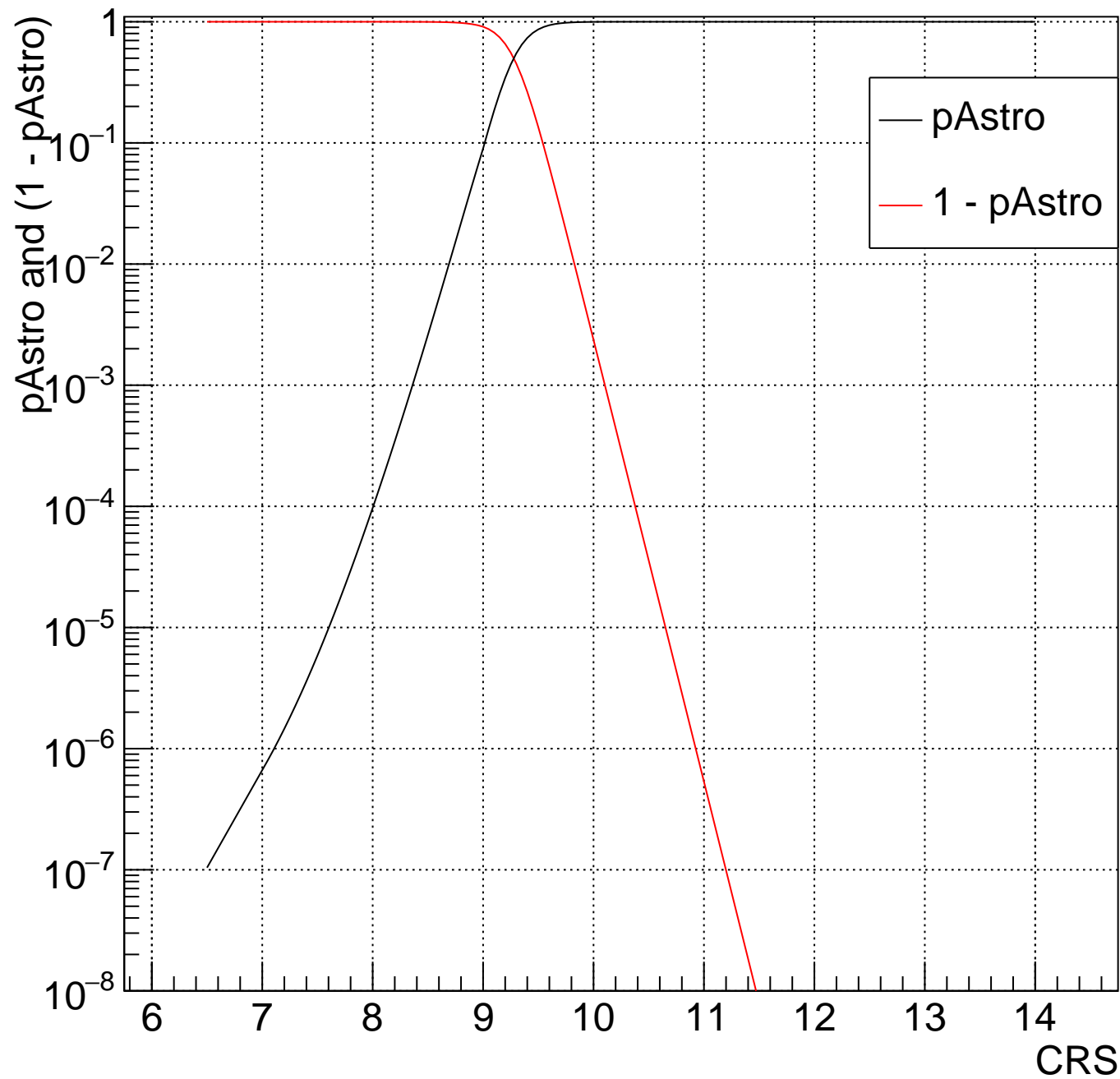
HL Bin:33  $4.305 < m_{\text{Chirp}} < 4.52$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



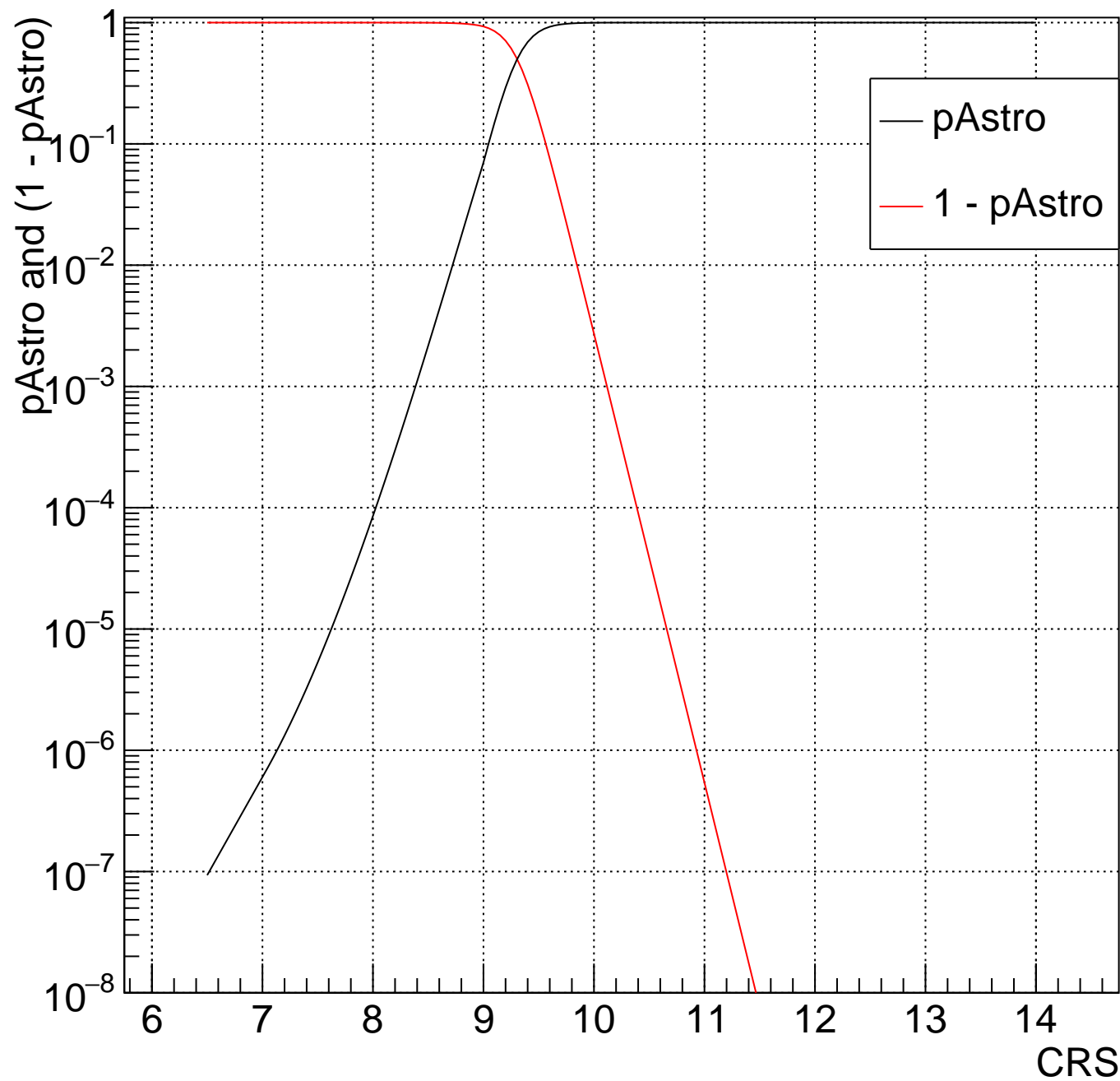
HL Bin:34  $4.52 < m_{\text{Chirp}} < 4.745$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



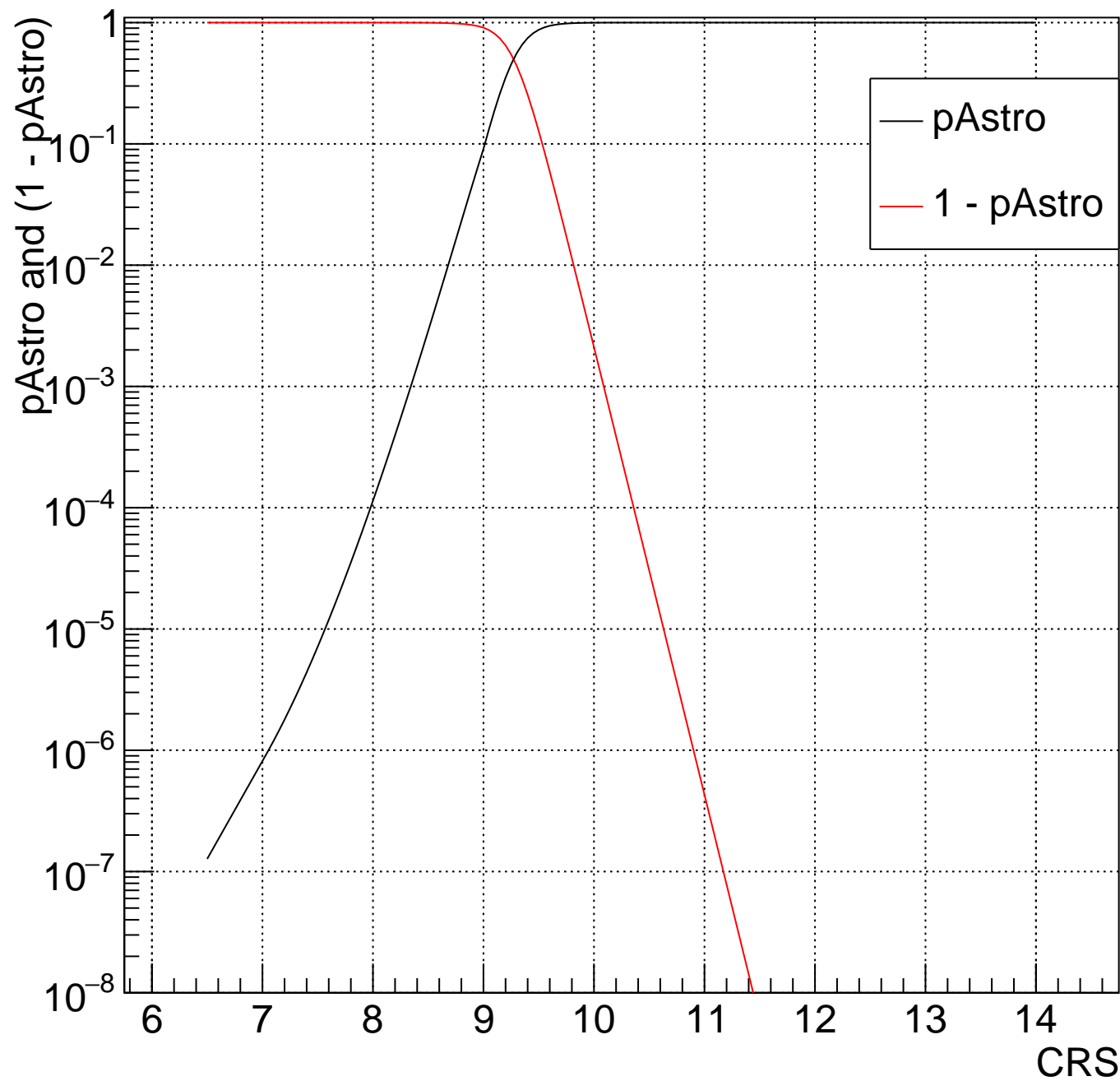
HL Bin:35  $4.745 < m_{\text{Chirp}} < 4.981$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



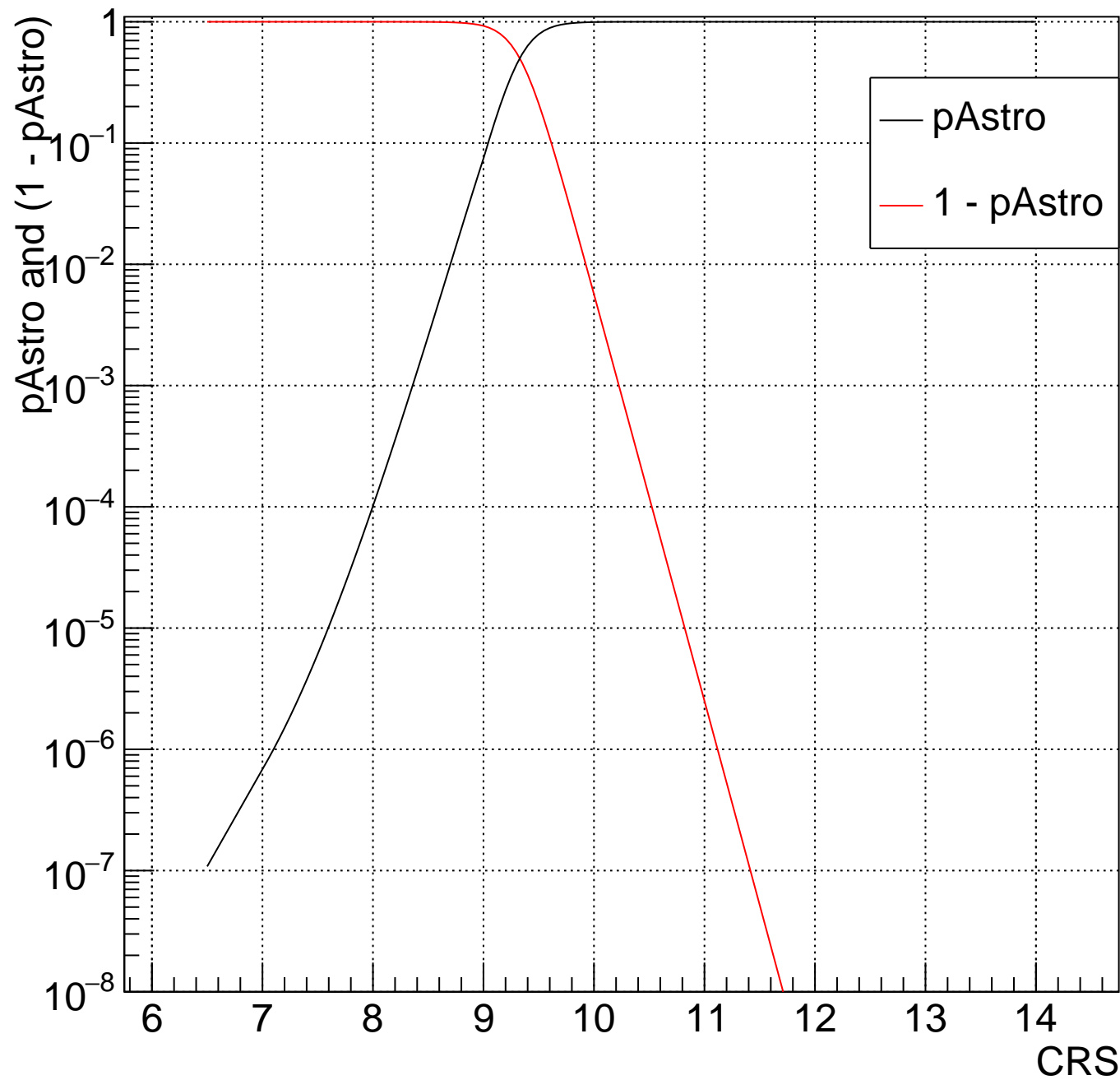
HL Bin:36  $4.981 < m_{\text{Chirp}} < 5.229$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



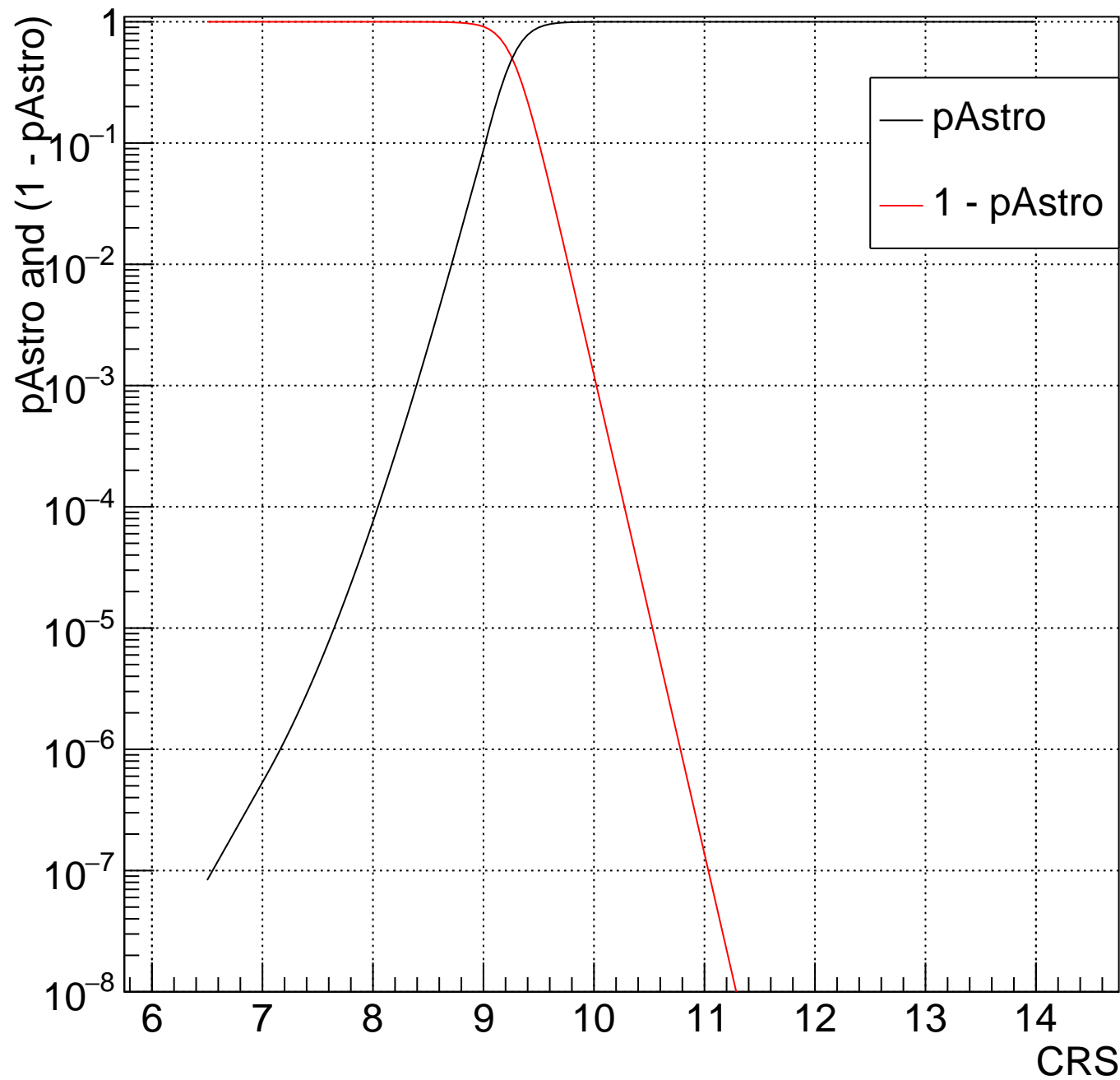
HL Bin:37  $5.229 < m_{\text{Chirp}} < 5.49$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



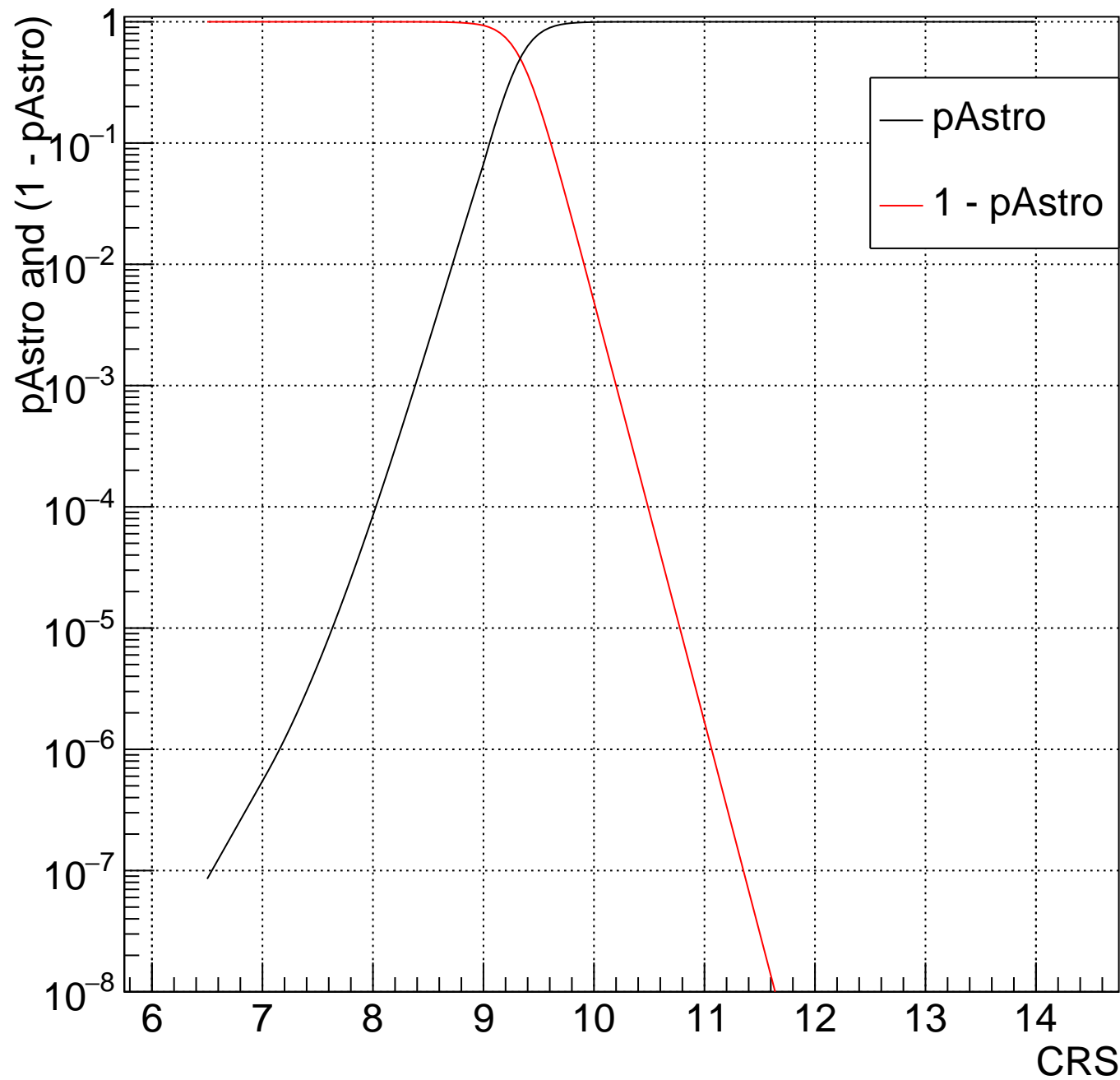
HL Bin:38  $5.49 < m_{\text{Chirp}} < 5.763$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



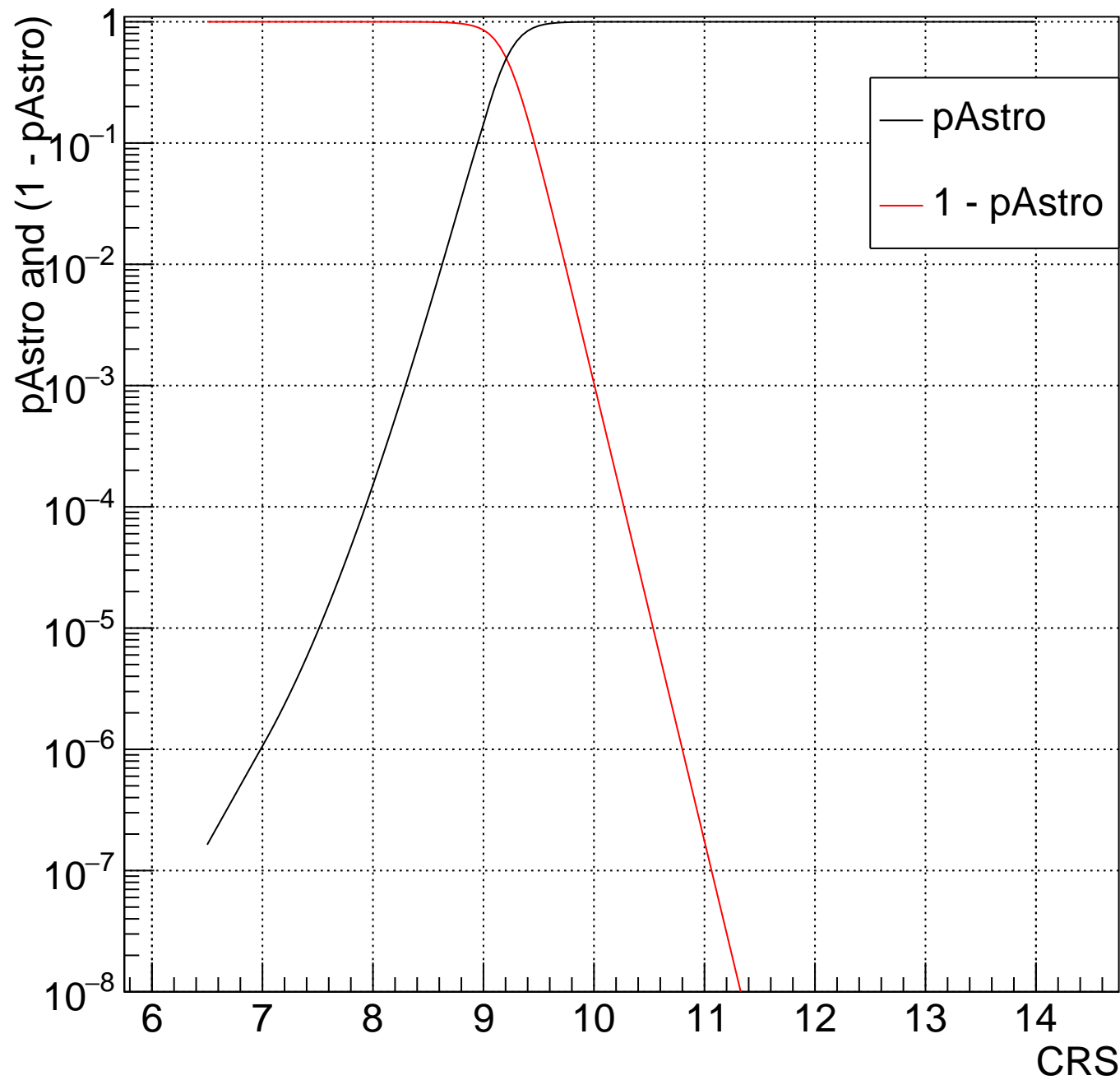
HL Bin:39  $5.763 < m_{\text{Chirp}} < 6.05$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



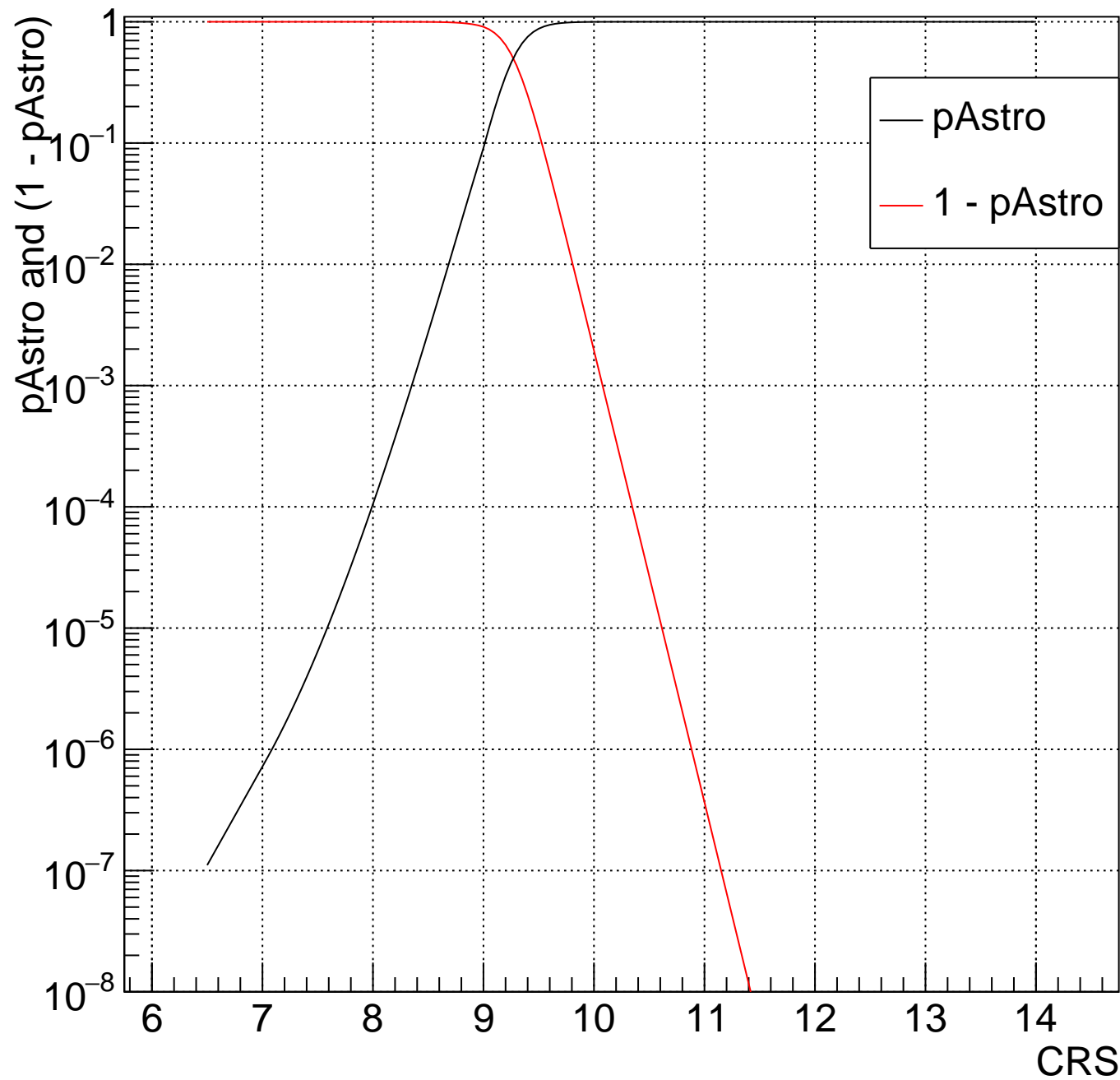
HL Bin:40  $6.05 < m_{\text{Chirp}} < 6.352$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



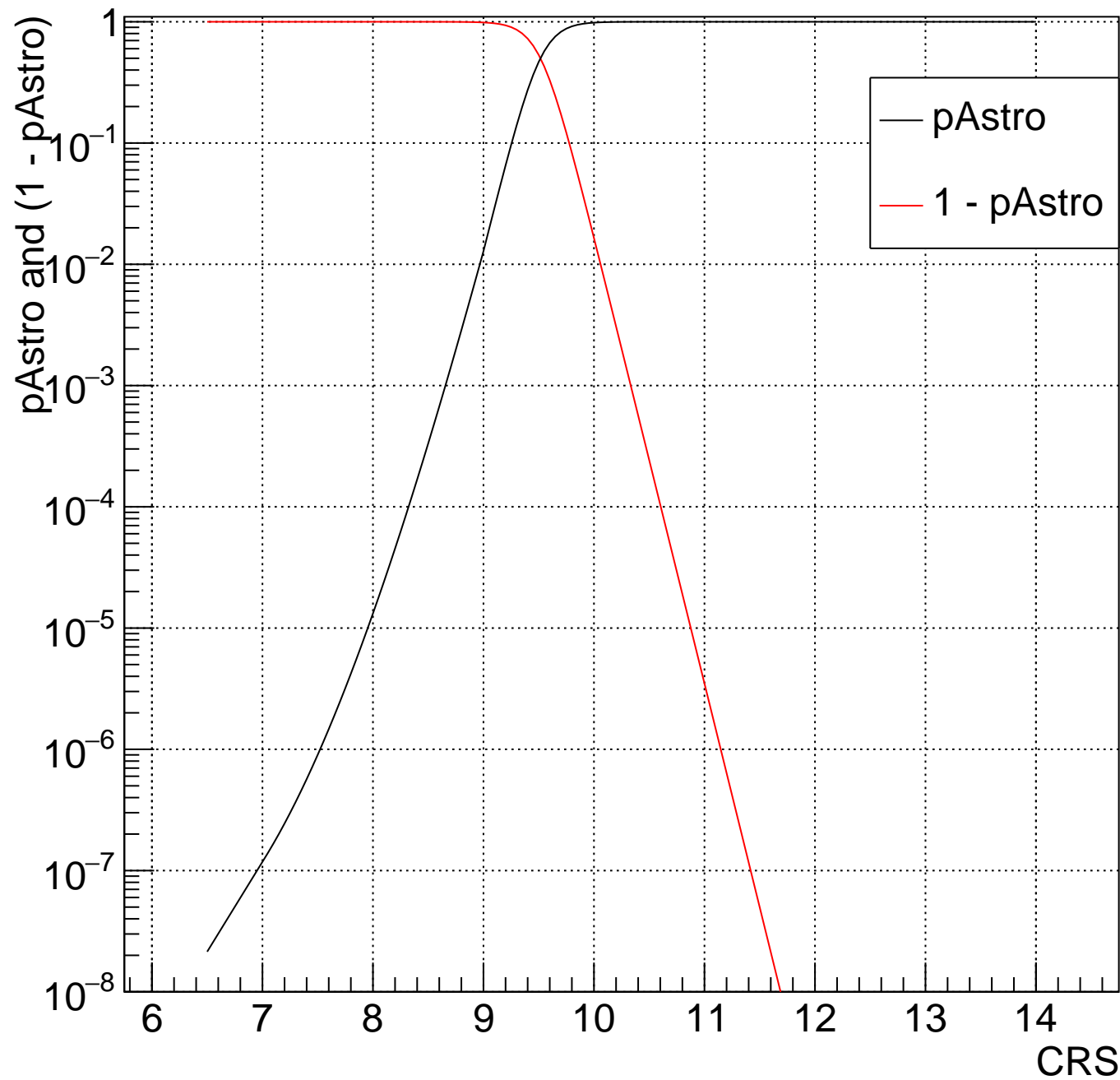
HL Bin:41  $6.352 < m_{\text{Chirp}} < 6.668$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



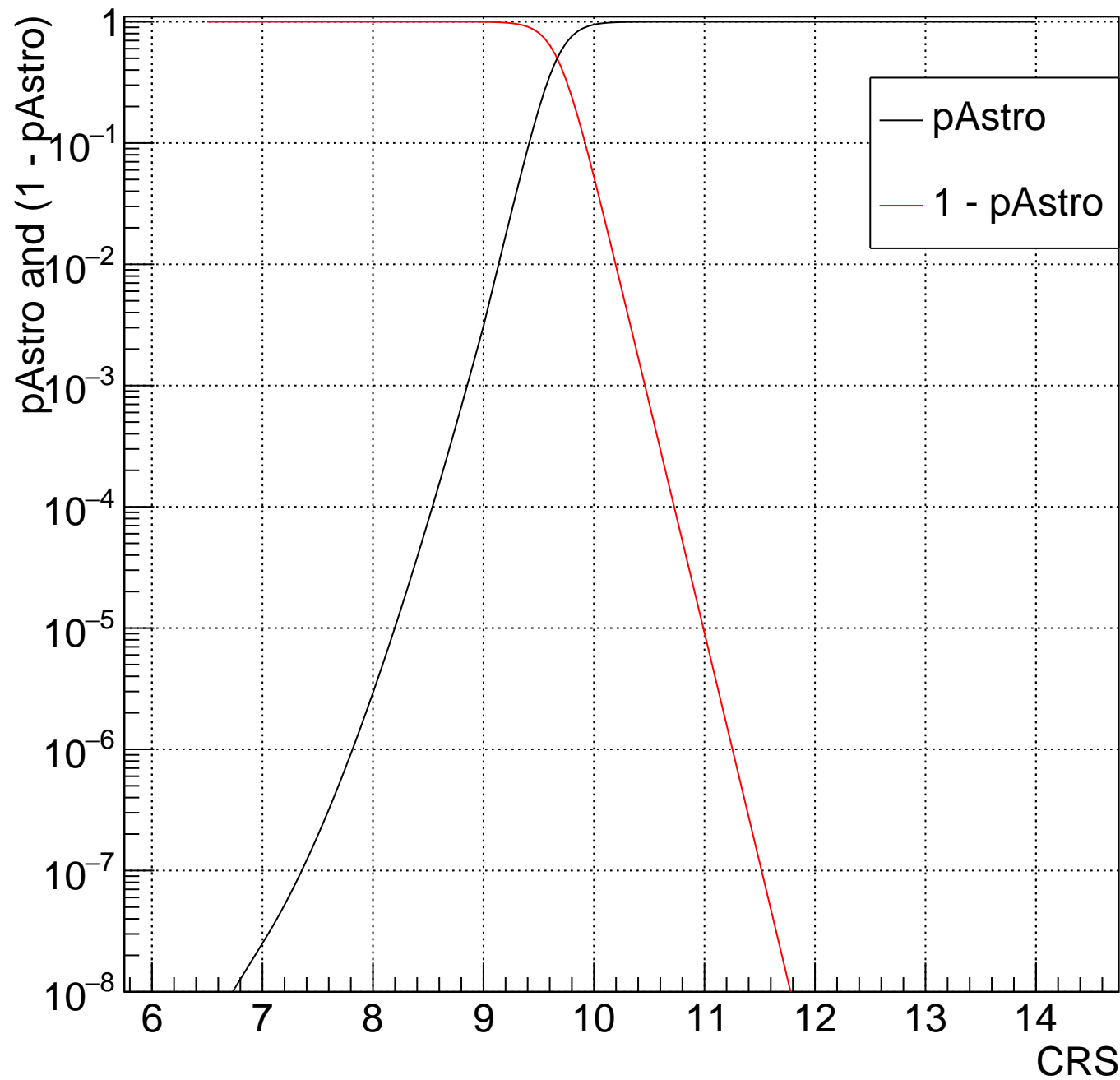
HL Bin:42  $6.668 < m_{\text{Chirp}} < 7$  and  $0 < m_2/m_1 < 0.3333$ , no 1 band



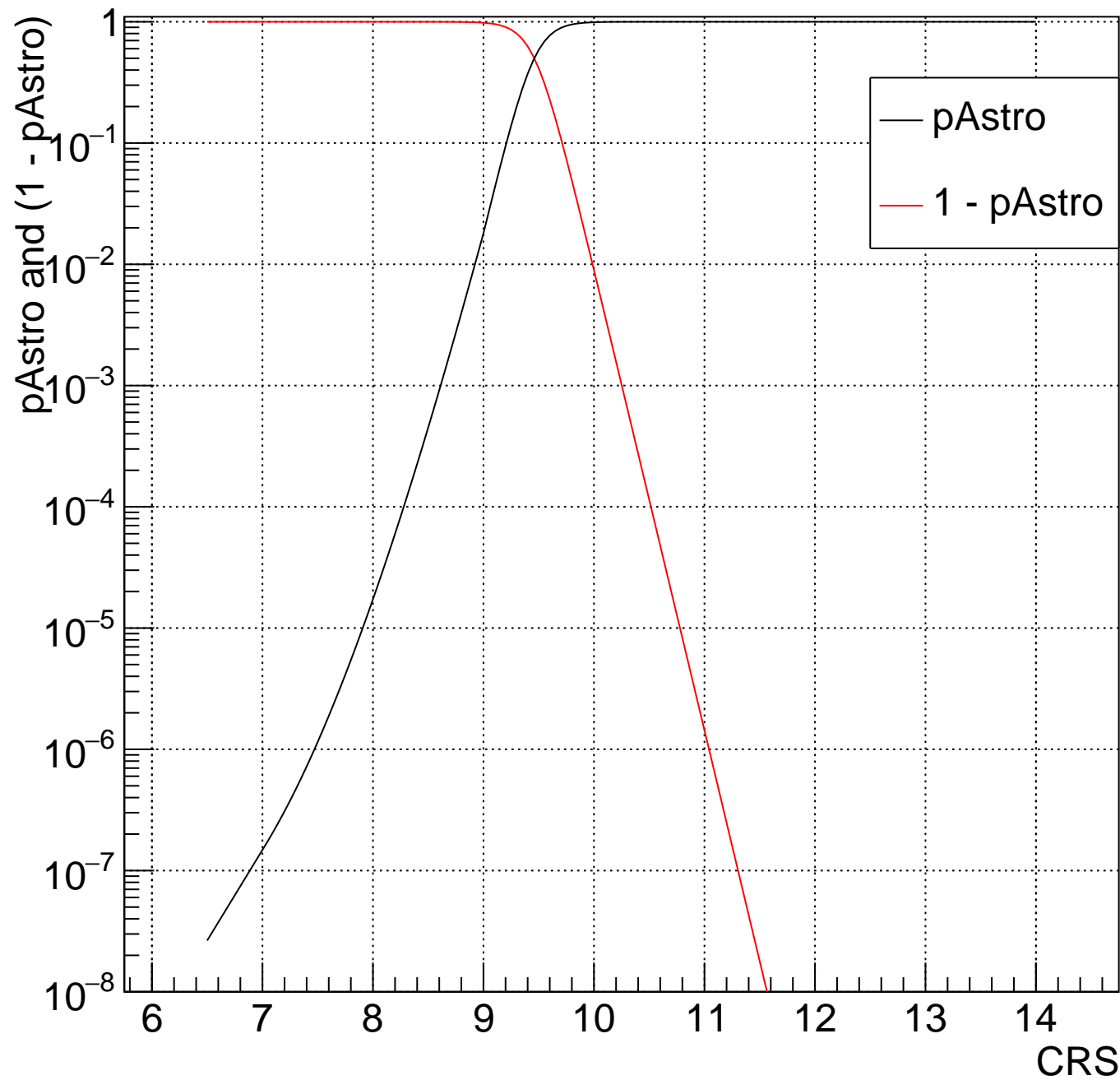
HL Bin:47  $1.052 < m_{\text{Chirp}} < 1.104$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



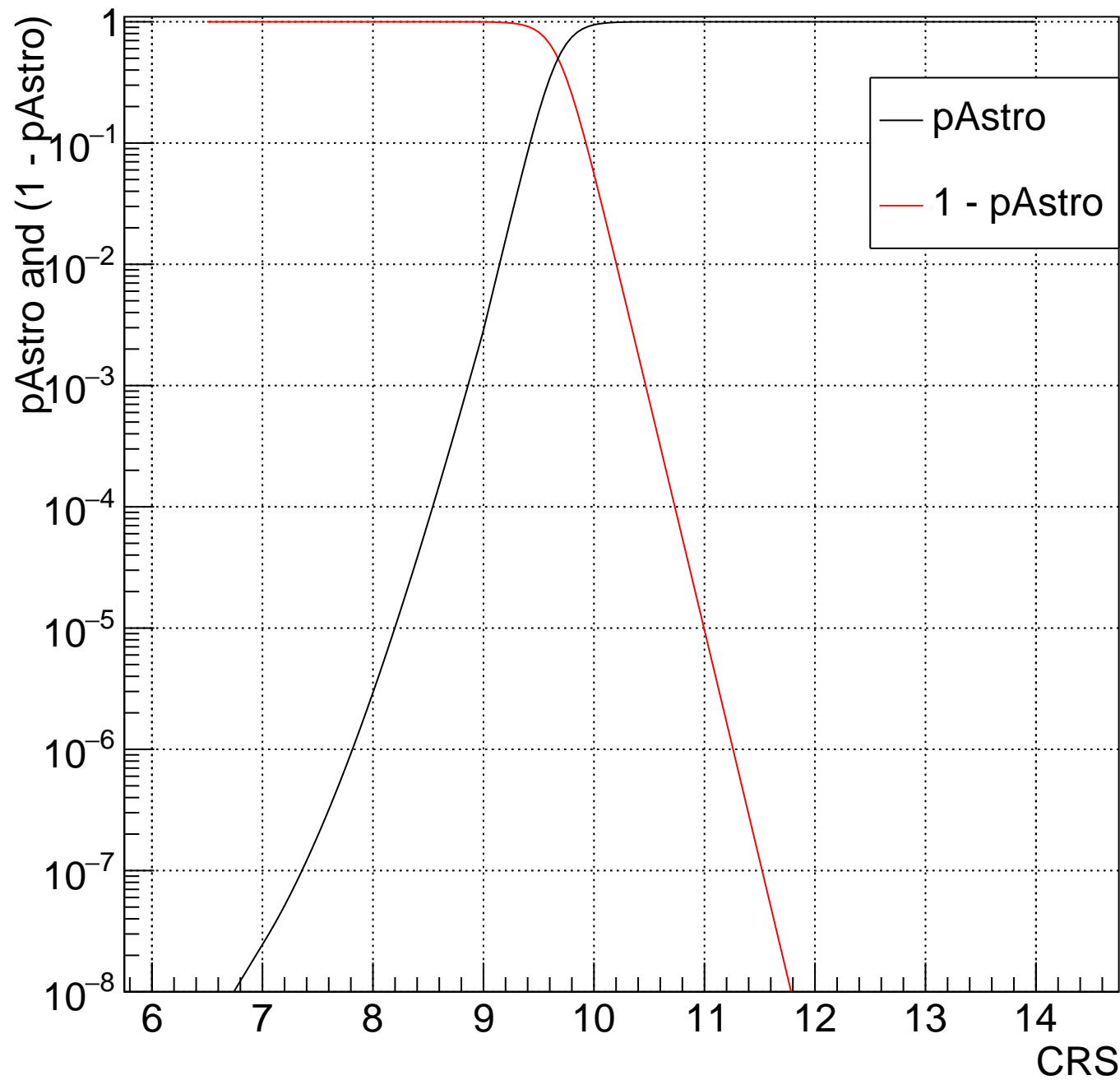
HL Bin:48  $1.104 < m_{\text{Chirp}} < 1.159$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



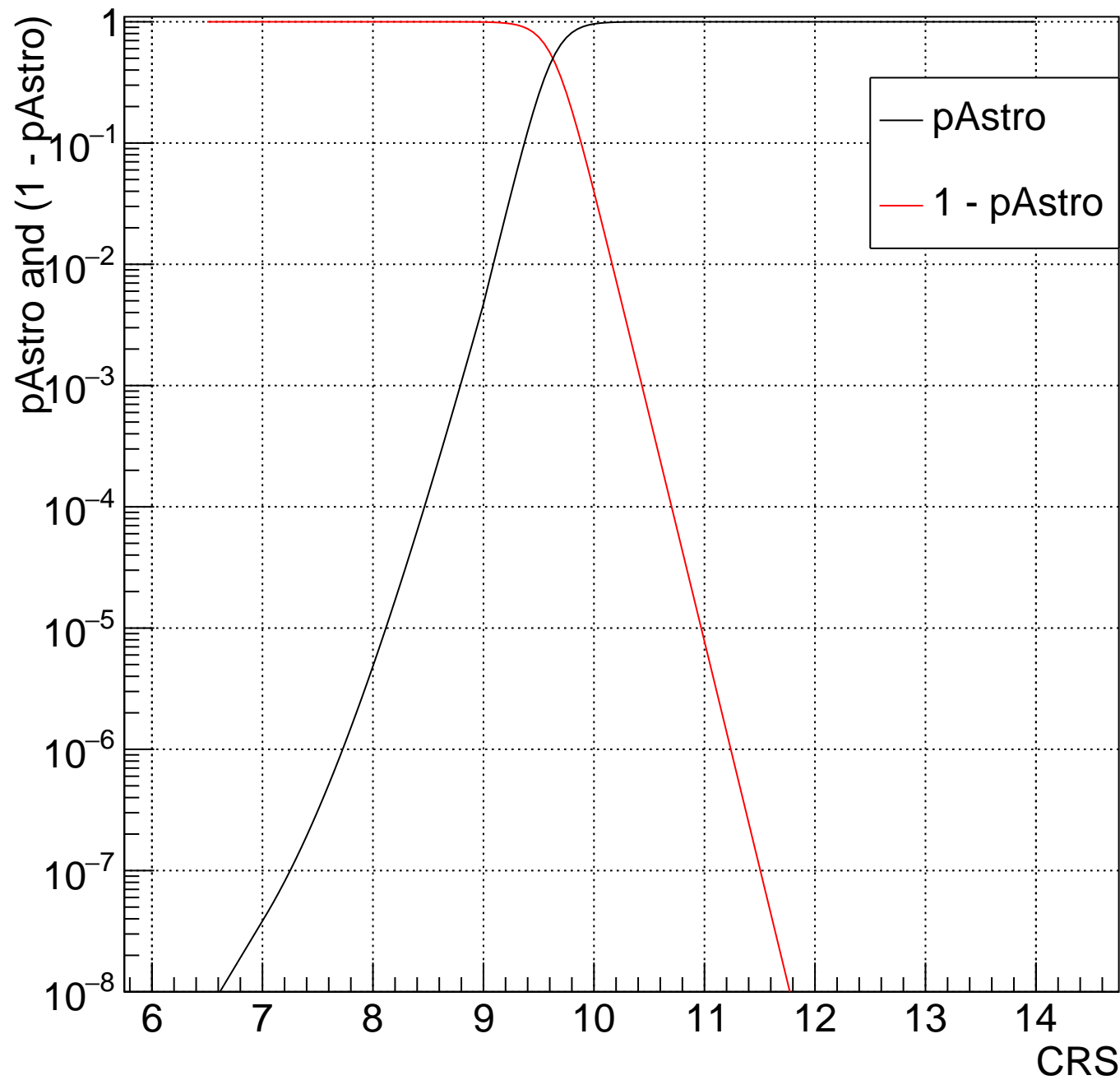
HL Bin:49  $1.159 < m_{\text{Chirp}} < 1.217$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



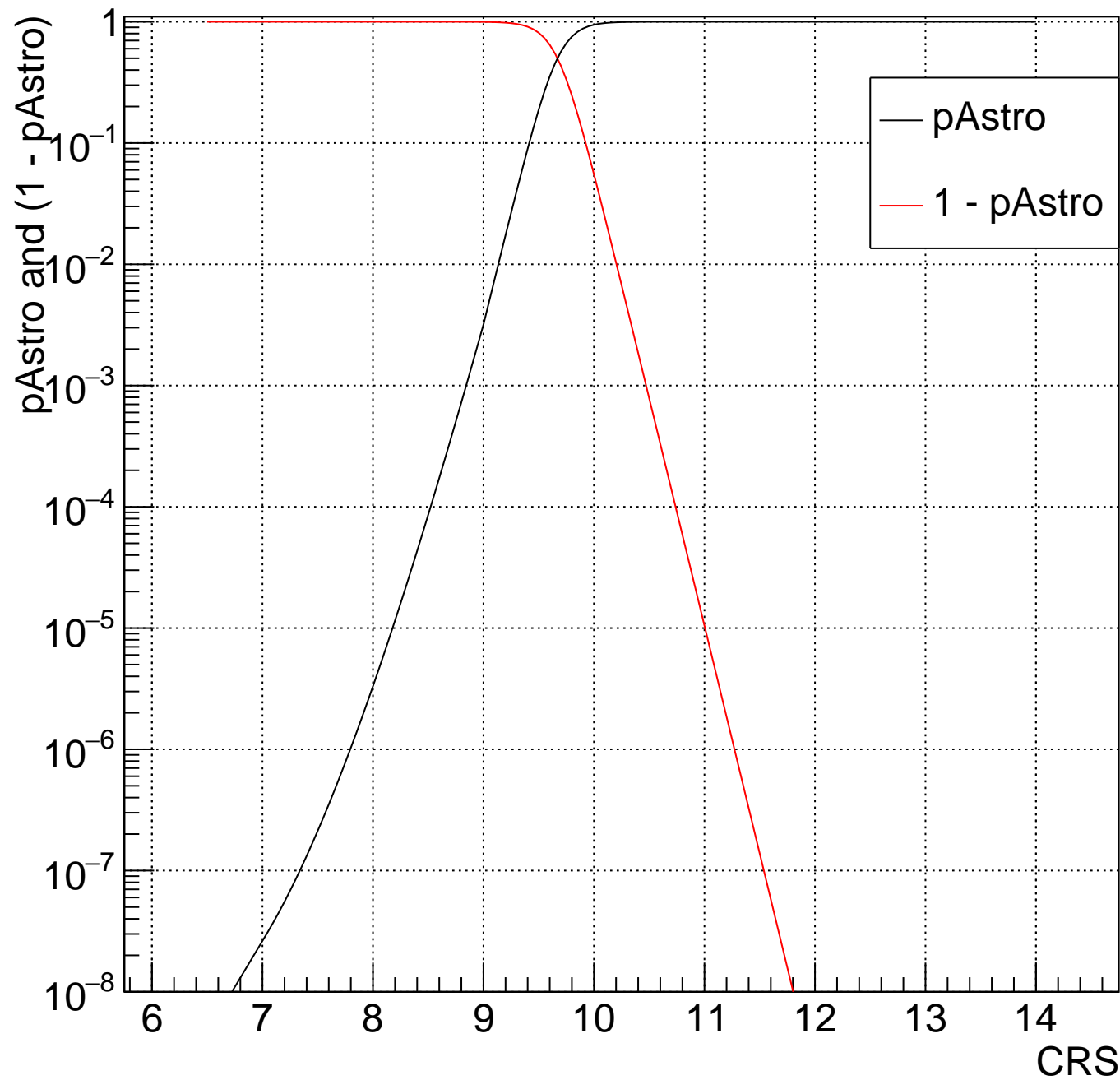
HL Bin:50  $1.217 < m_{\text{Chirp}} < 1.277$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



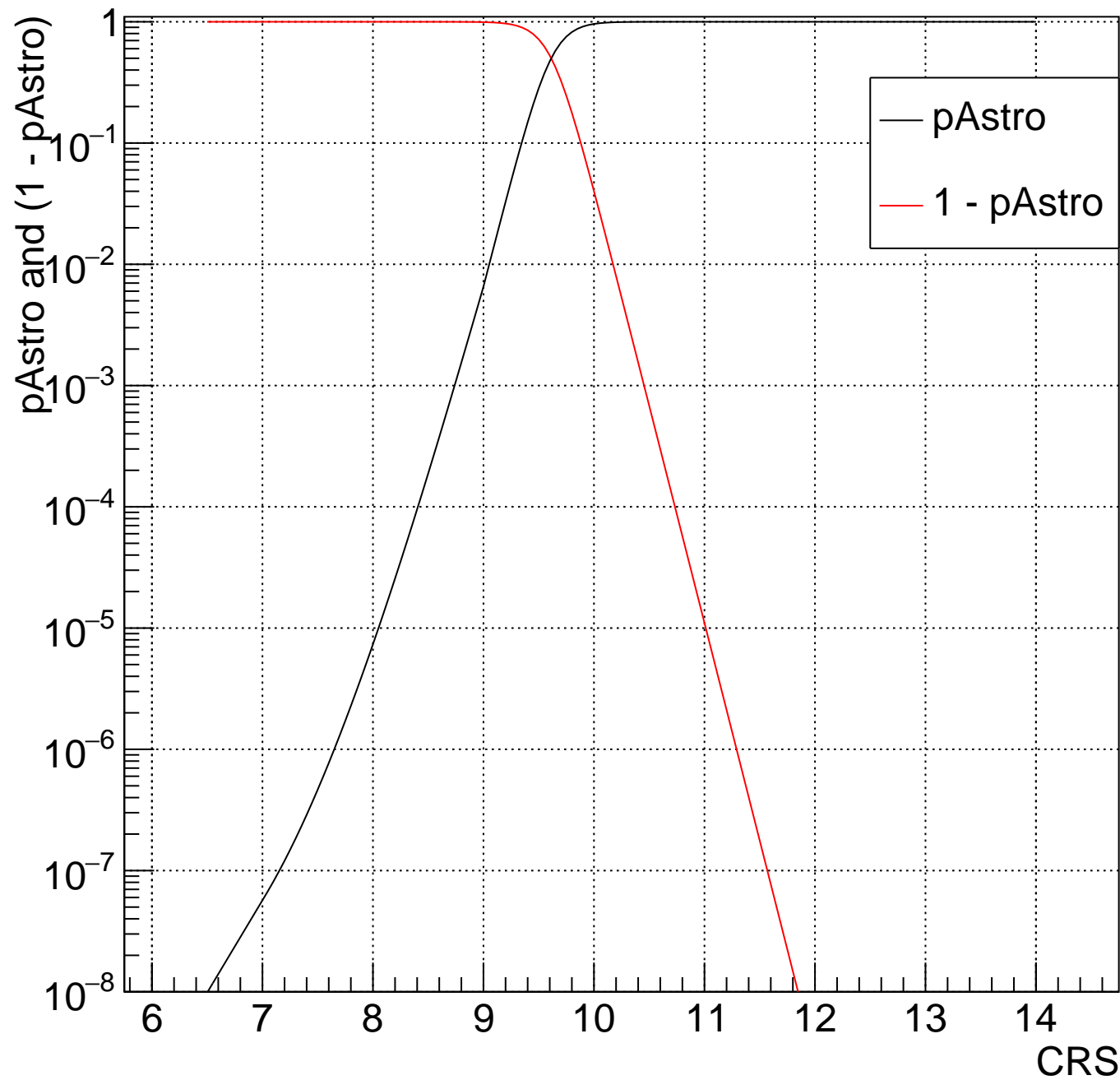
HL Bin:51  $1.277 < m_{\text{Chirp}} < 1.341$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



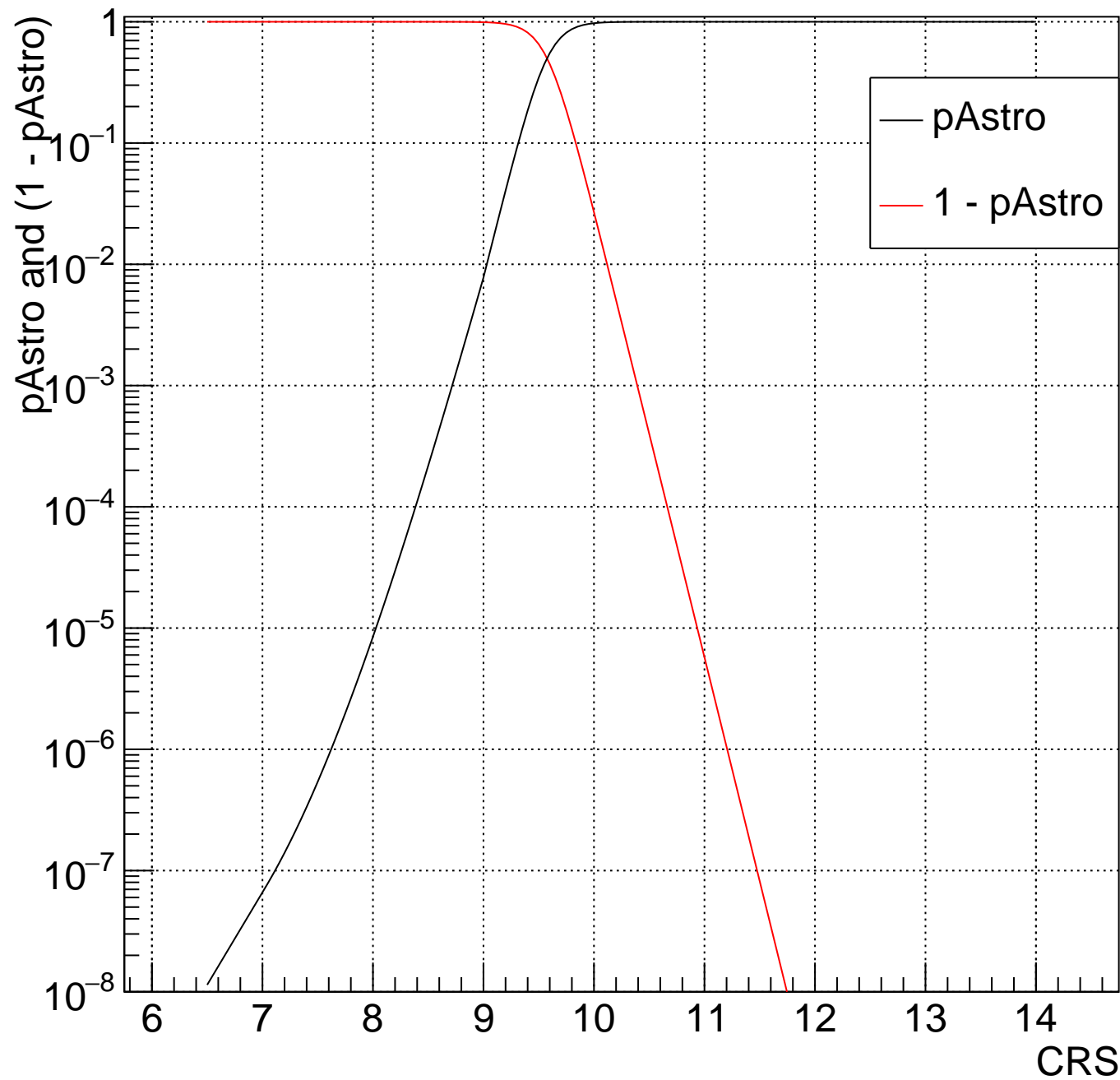
HL Bin:52  $1.341 < m_{\text{Chirp}} < 1.408$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



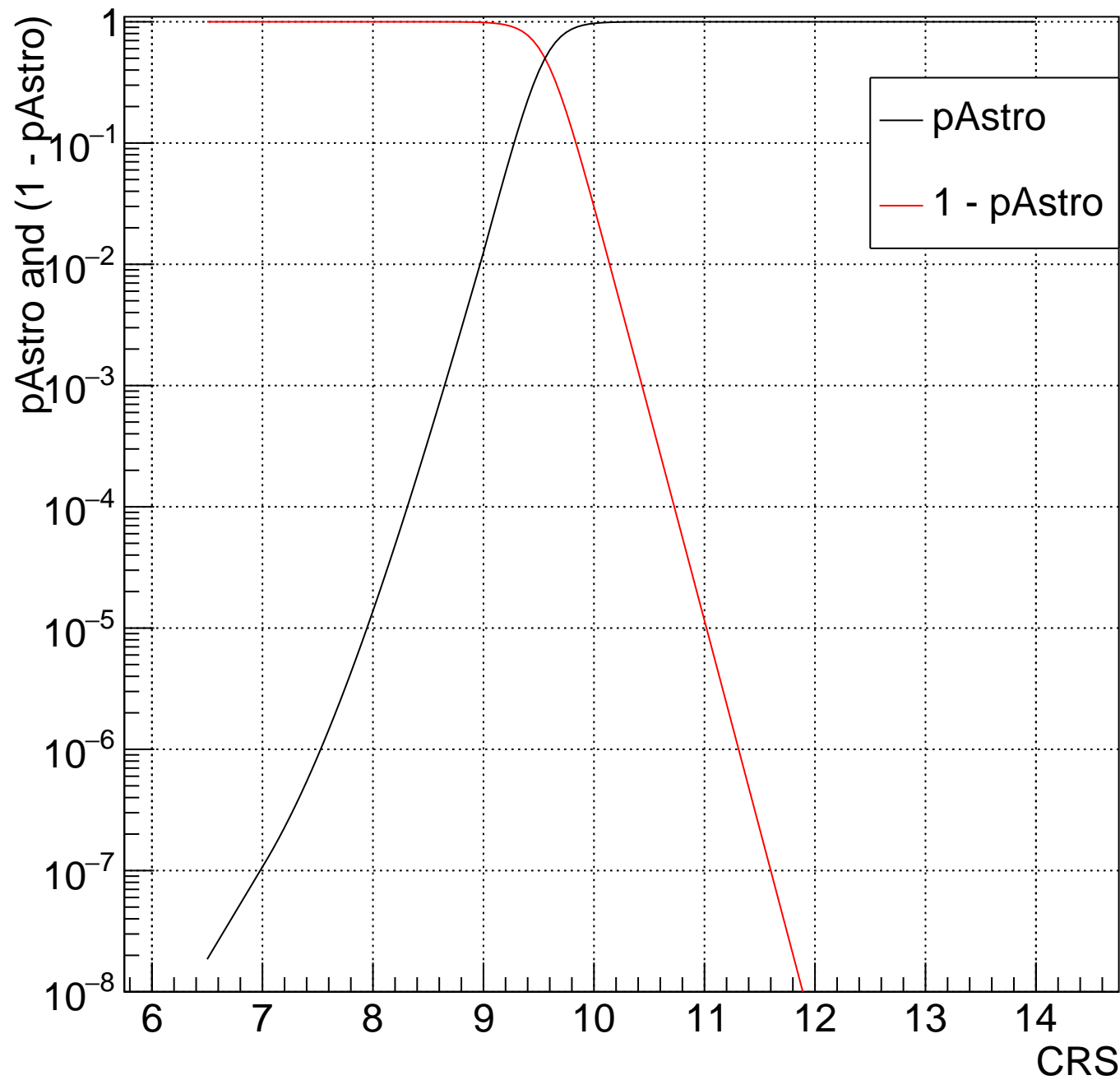
HL Bin:53  $1.408 < m_{\text{Chirp}} < 1.478$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



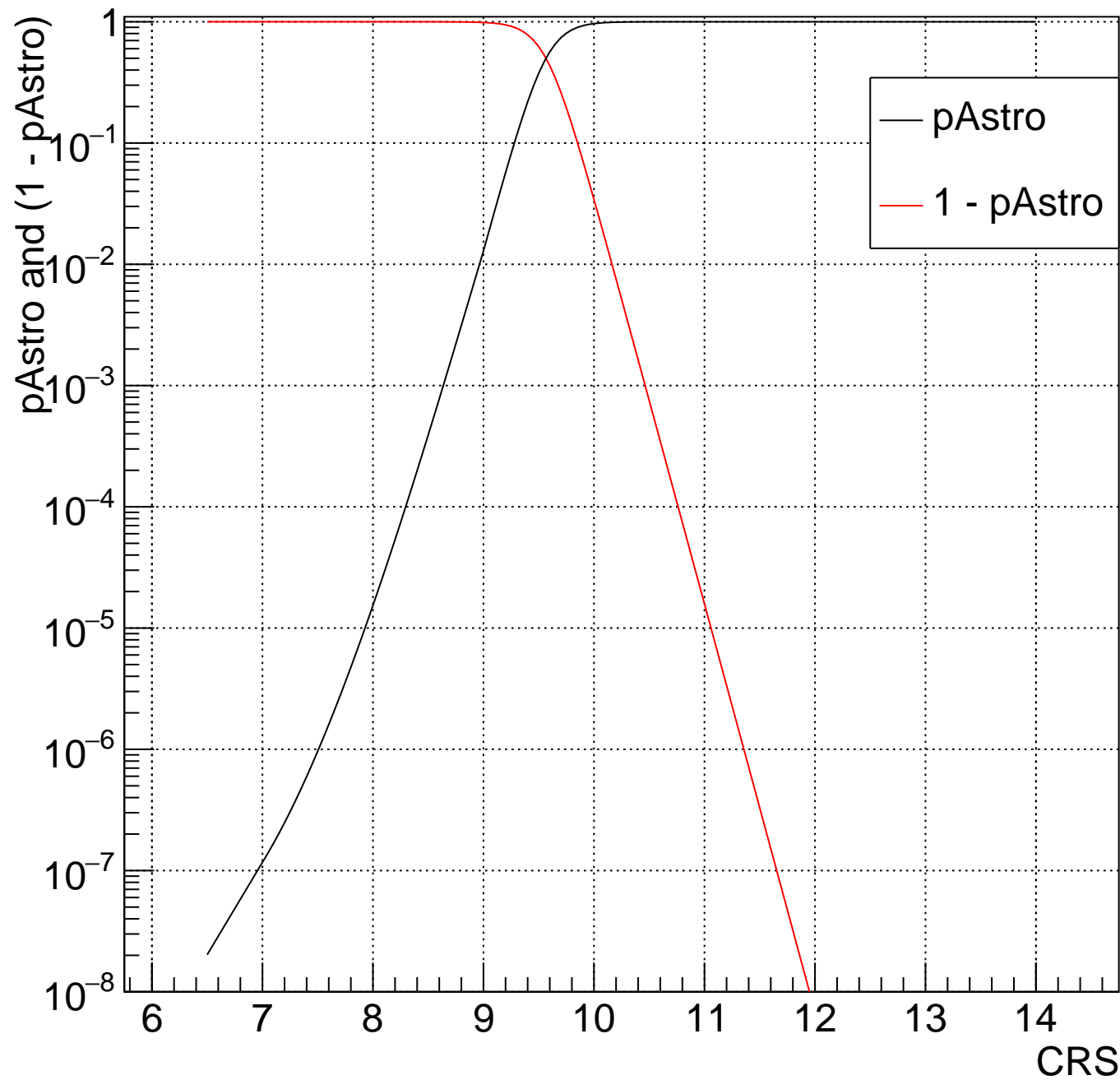
HL Bin:54  $1.478 < m_{\text{Chirp}} < 1.551$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



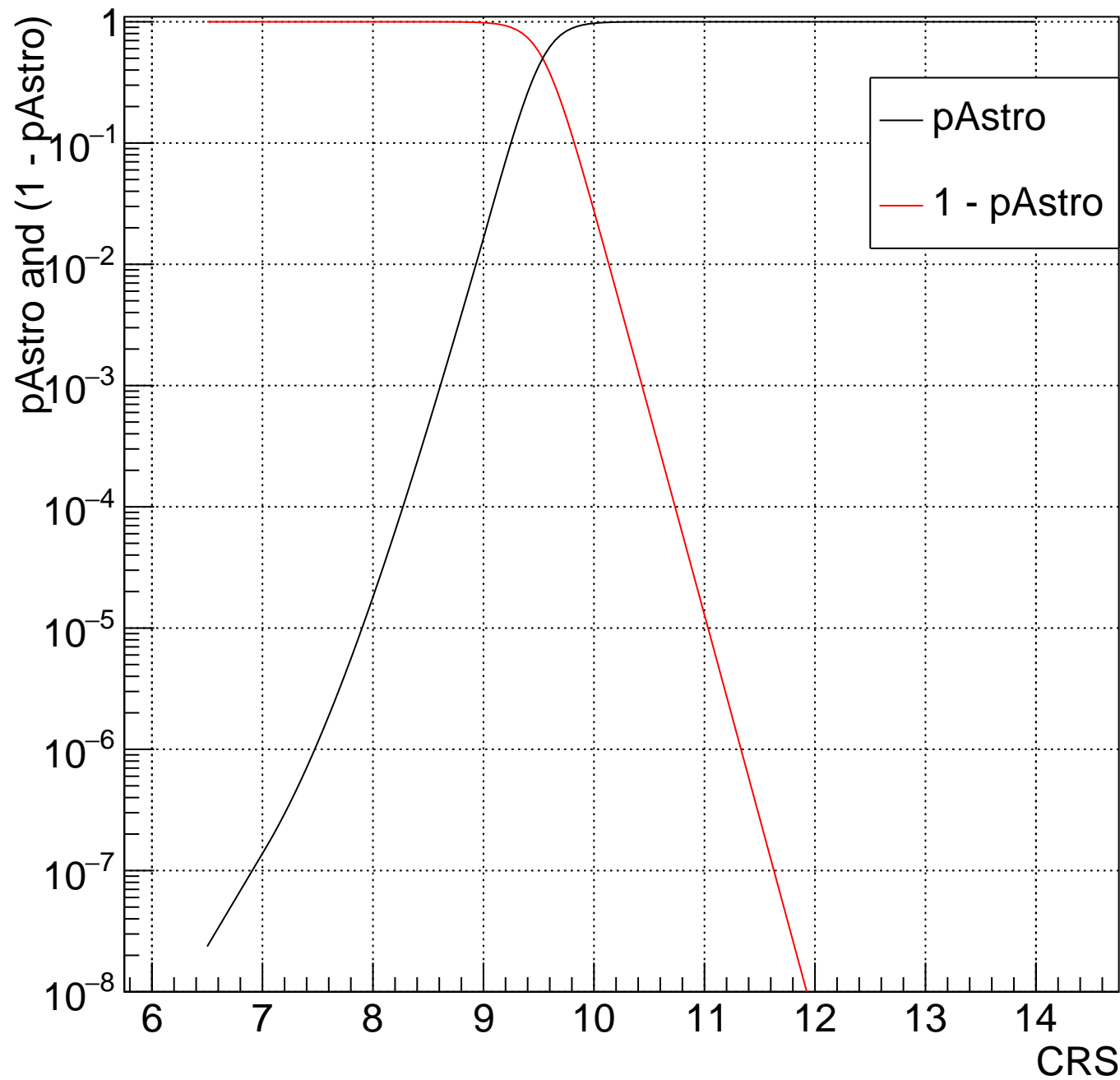
HL Bin:55  $1.551 < m_{\text{Chirp}} < 1.629$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



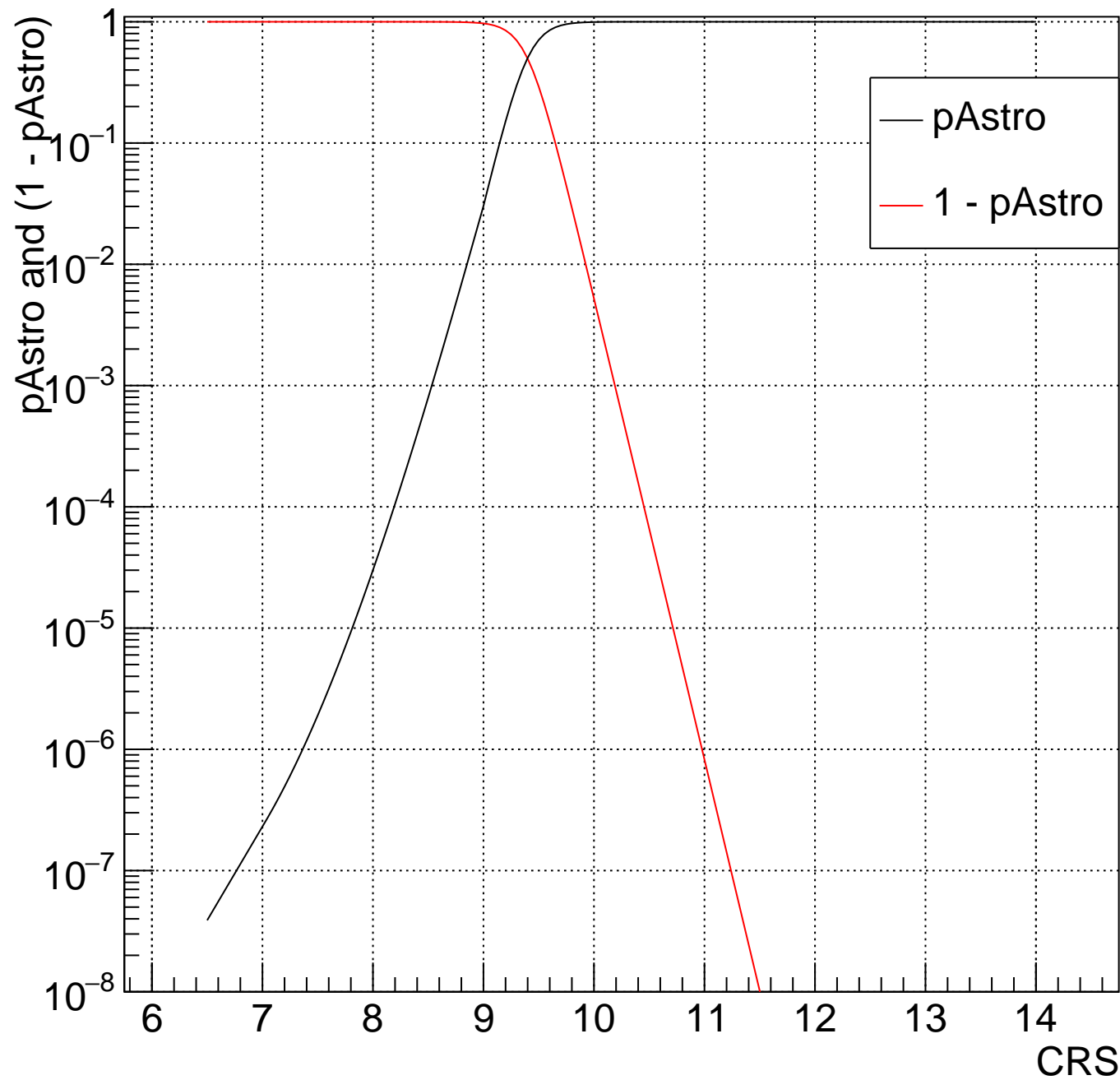
HL Bin:56  $1.629 < m_{\text{Chirp}} < 1.71$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



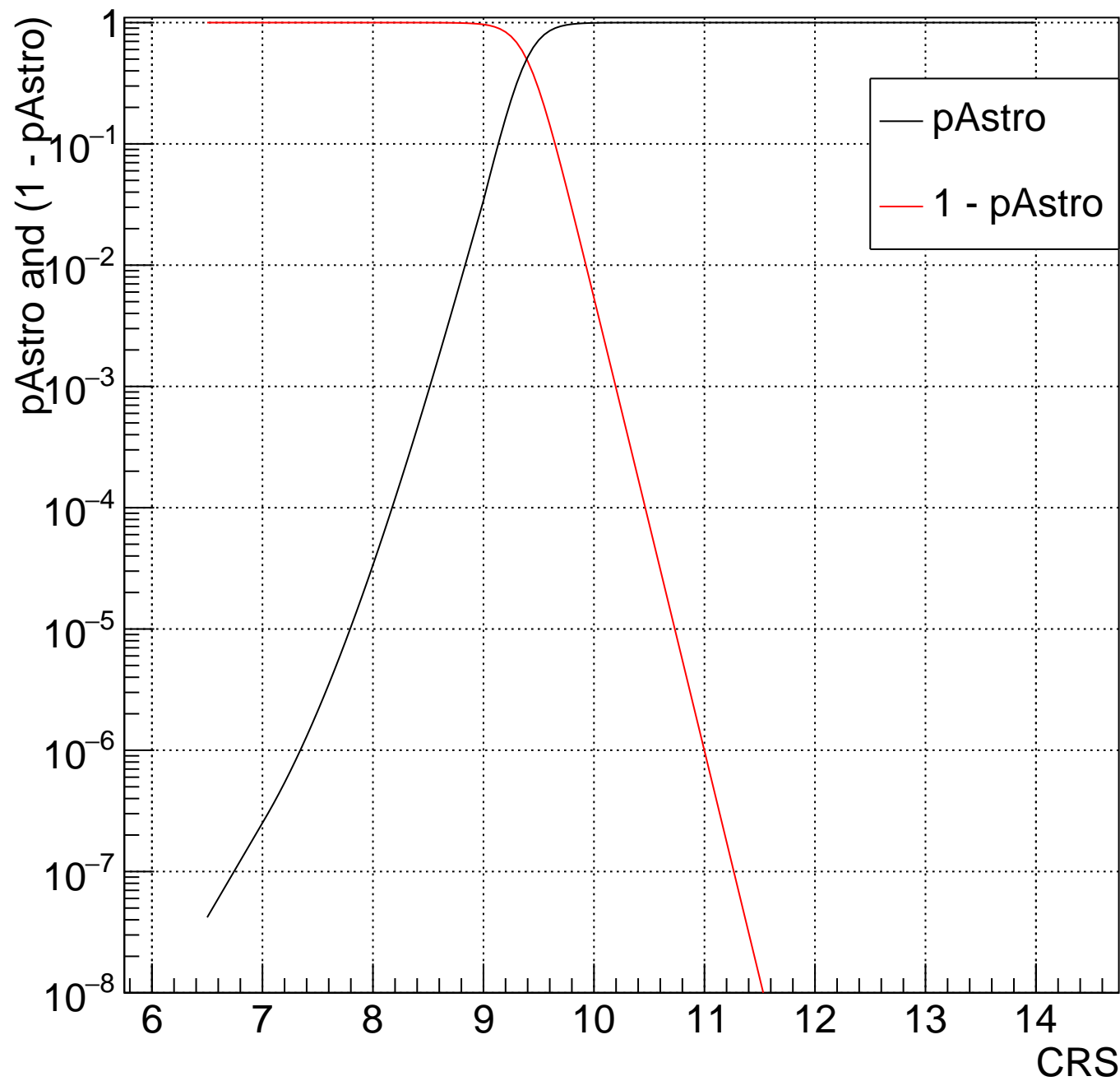
HL Bin:  $57 < m_{\text{Chirp}} < 1.795$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



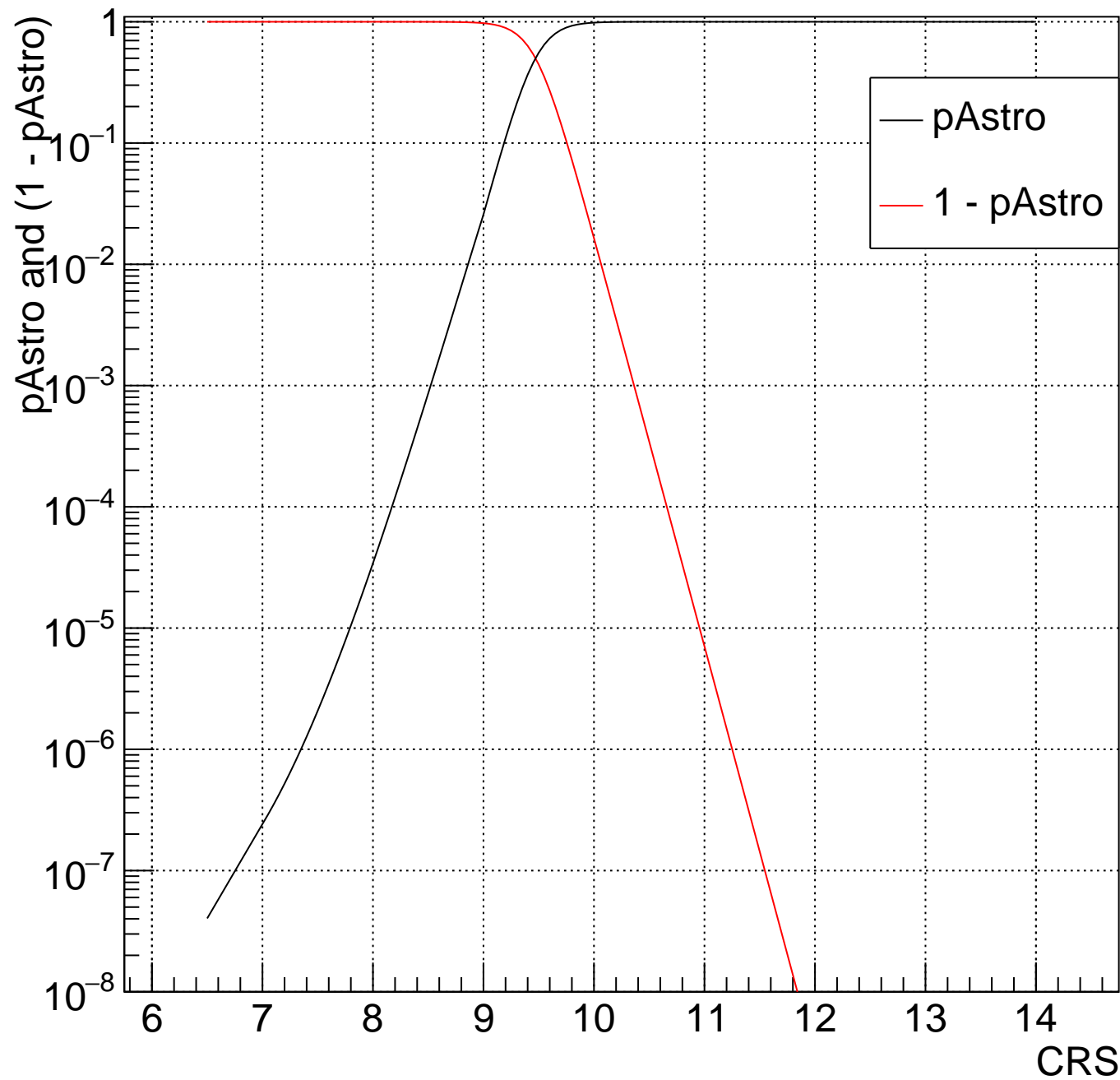
HL Bin:58  $1.795 < m_{\text{Chirp}} < 1.884$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



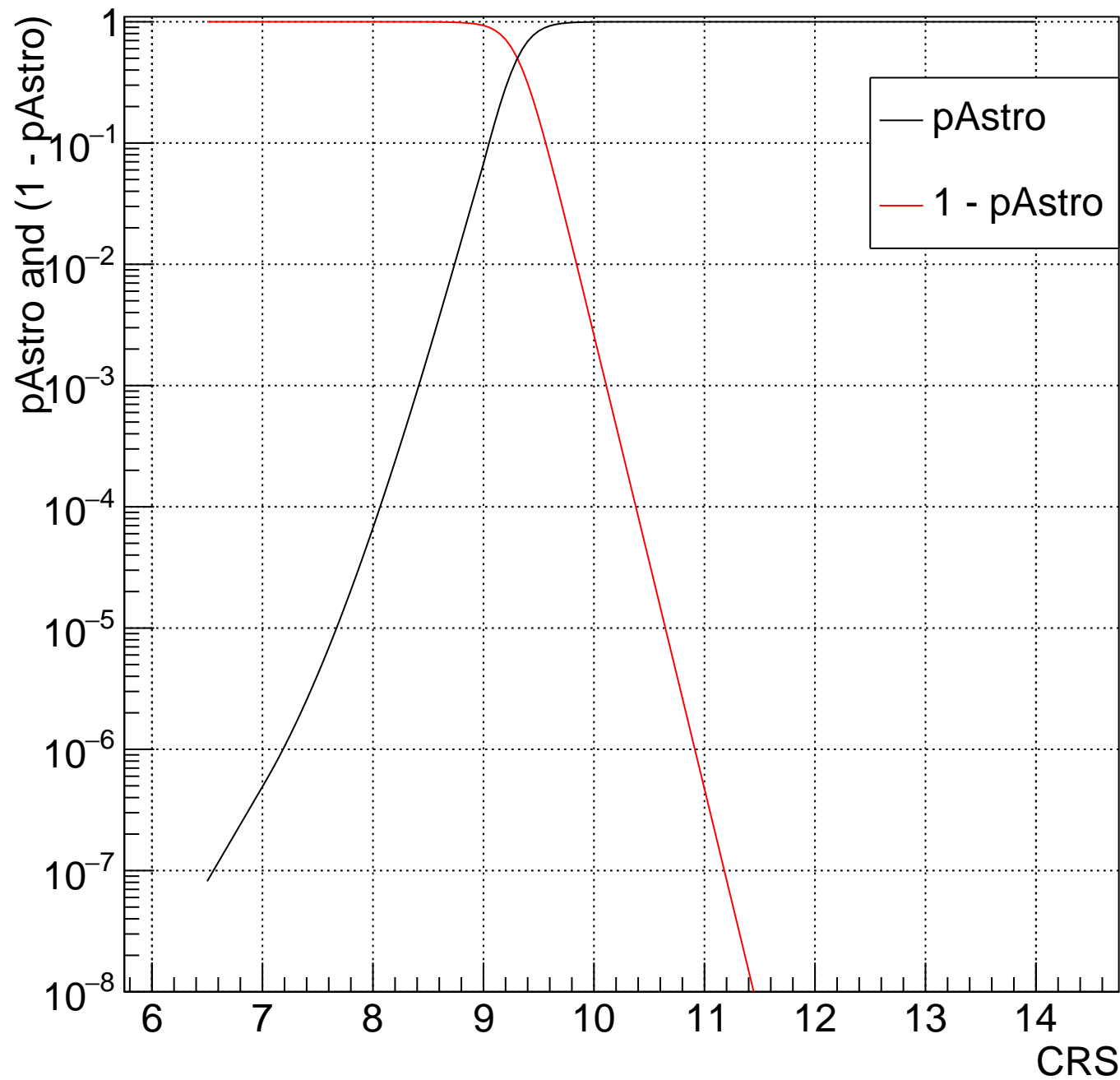
HL Bin:59  $1.884 < m_{\text{Chirp}} < 1.978$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



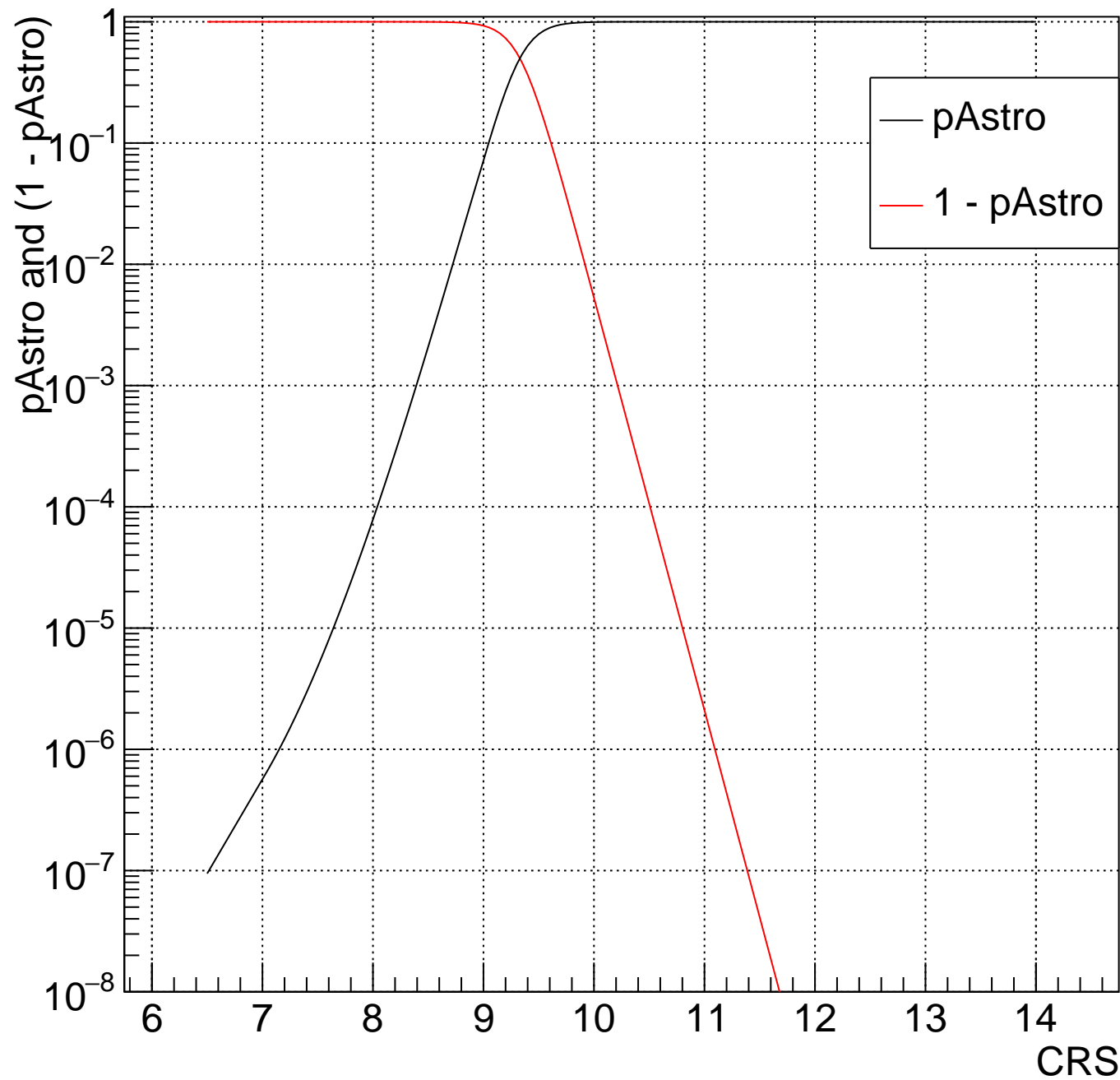
HL Bin:60  $1.978 < m_{\text{Chirp}} < 2.077$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



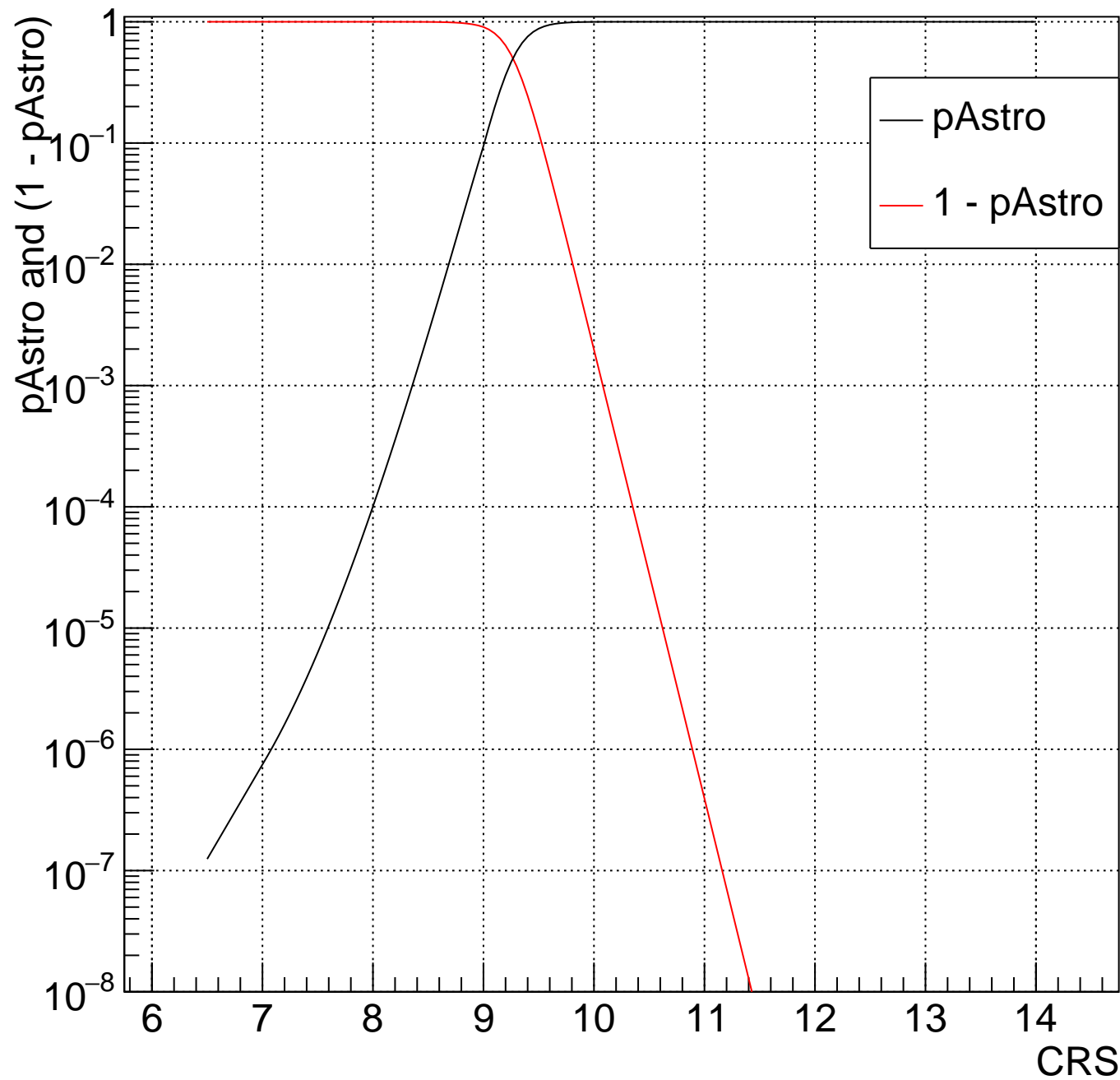
HL Bin:61  $2.077 < m_{\text{Chirp}} < 2.18$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



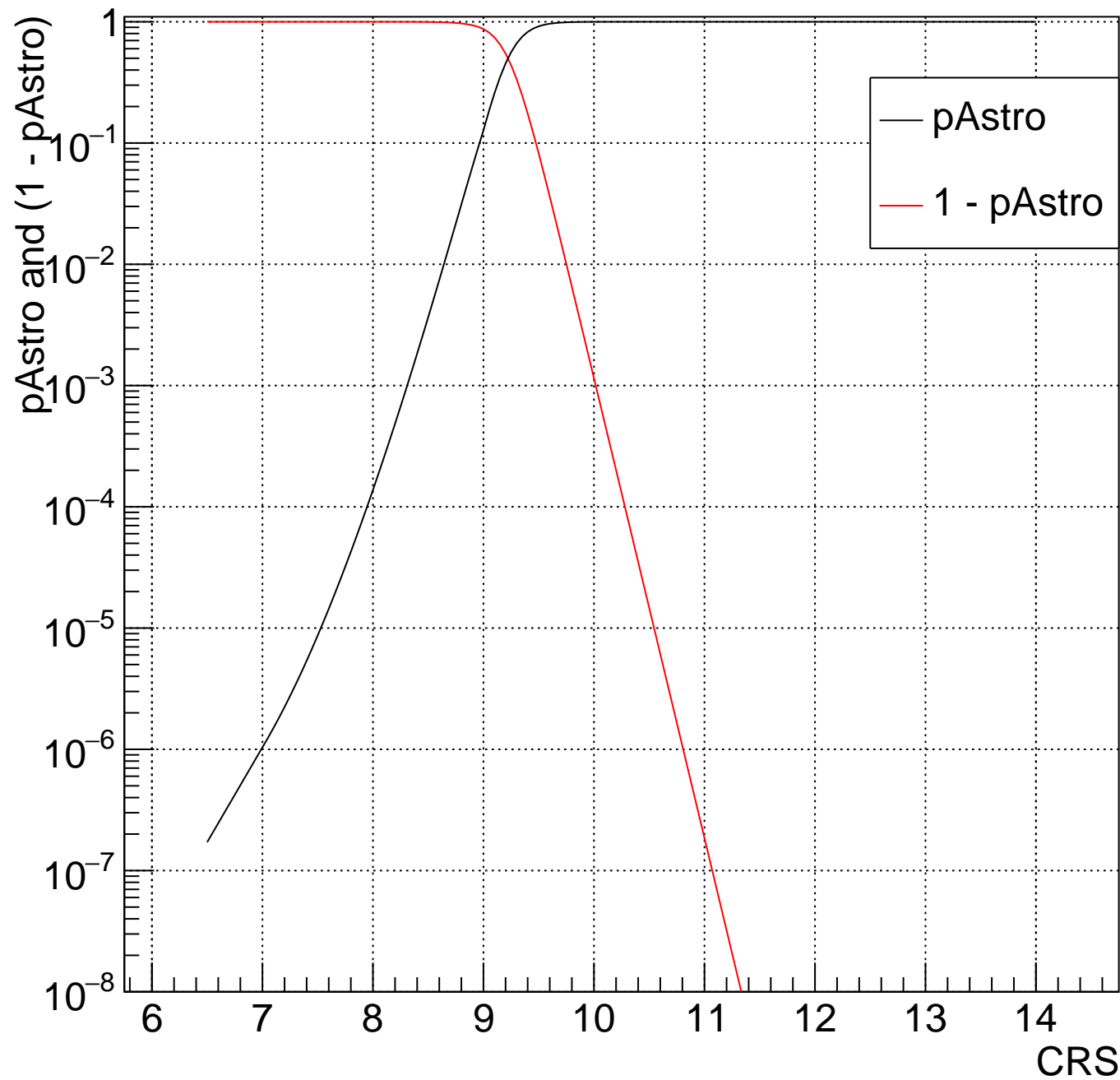
HL Bin:  $62 < m_{\text{Chirp}} < 2.289$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



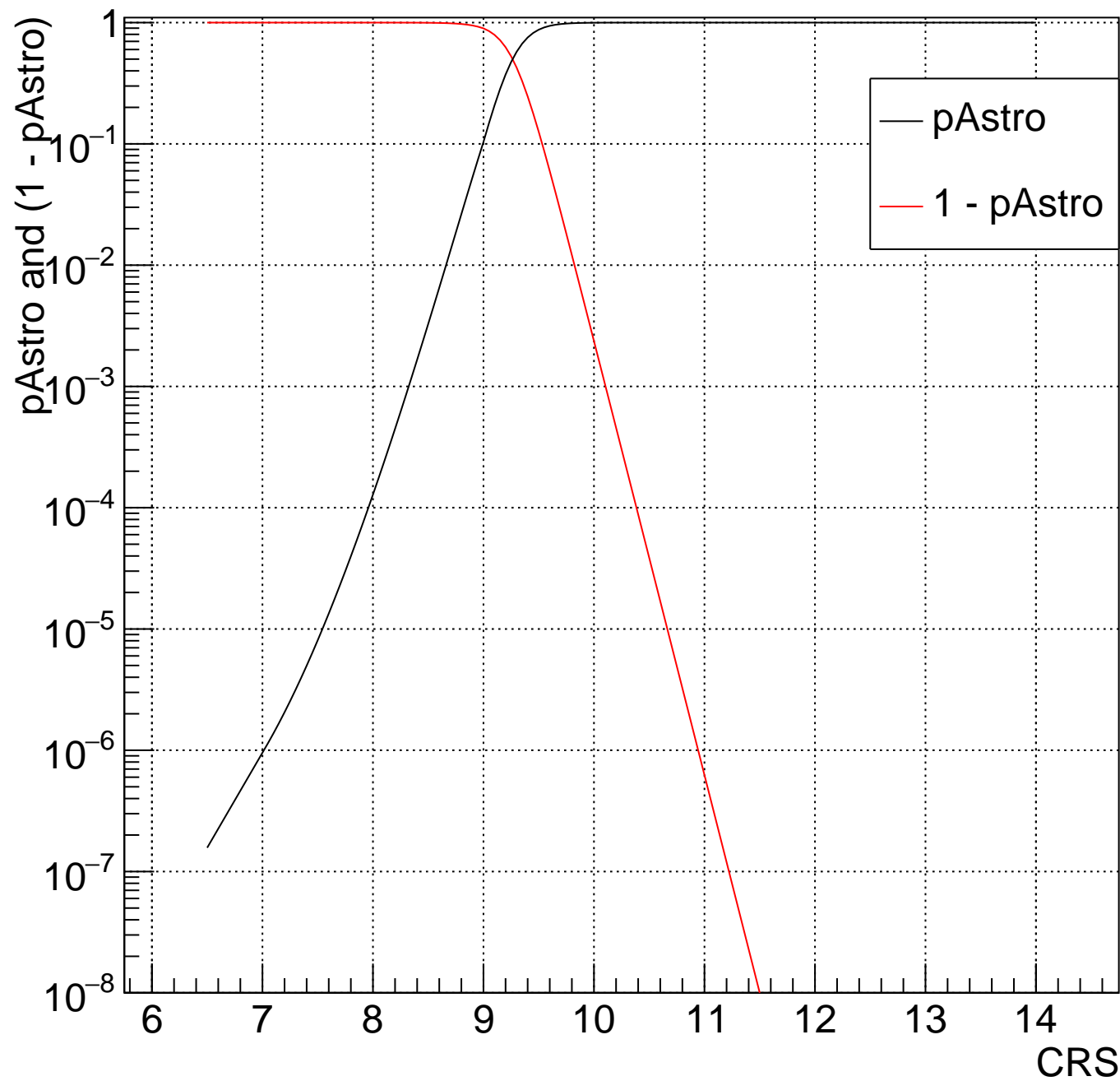
HL Bin:63  $2.289 < m_{\text{Chirp}} < 2.403$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



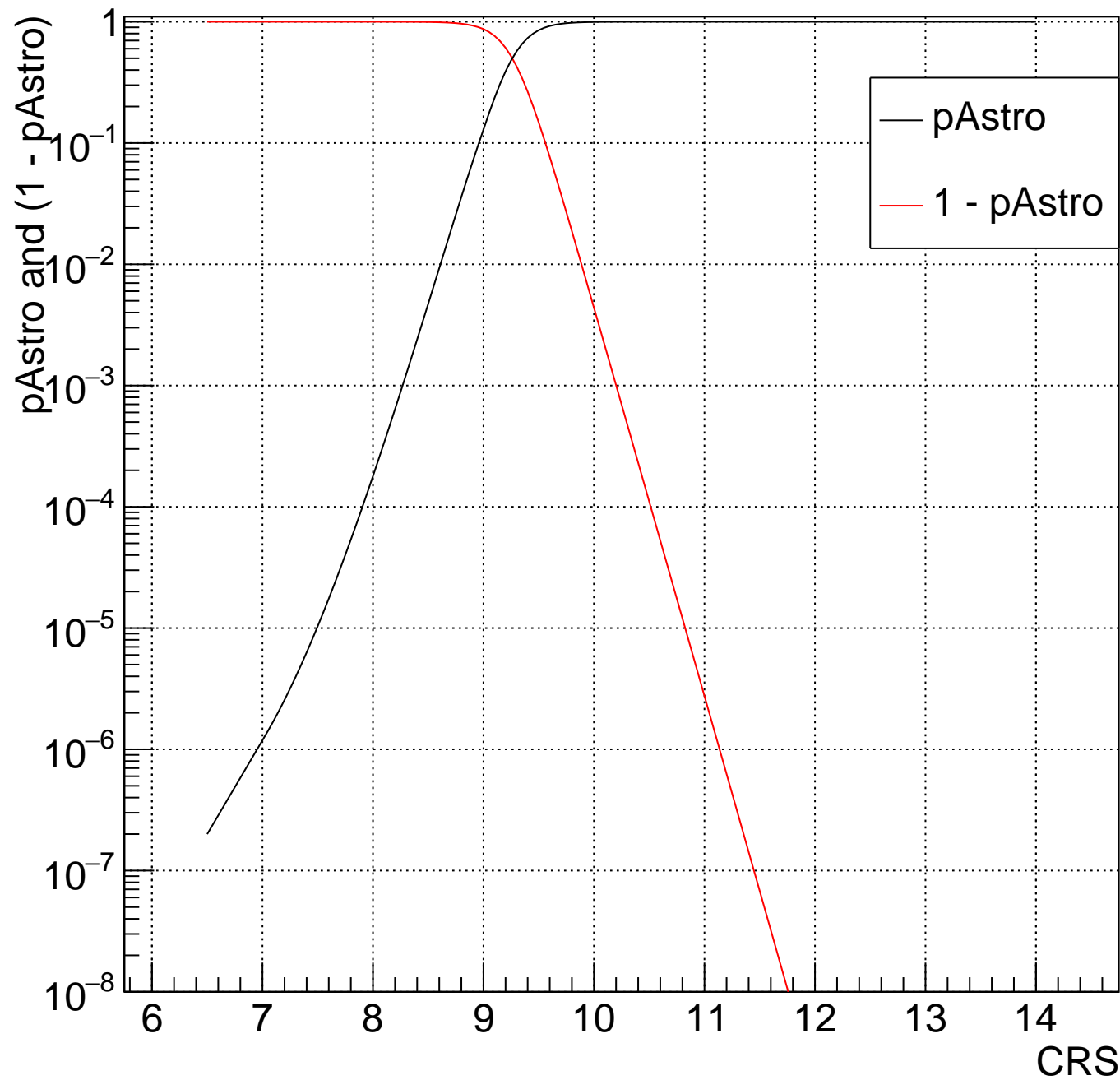
HL Bin:64  $2.403 < m_{\text{Chirp}} < 2.522$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



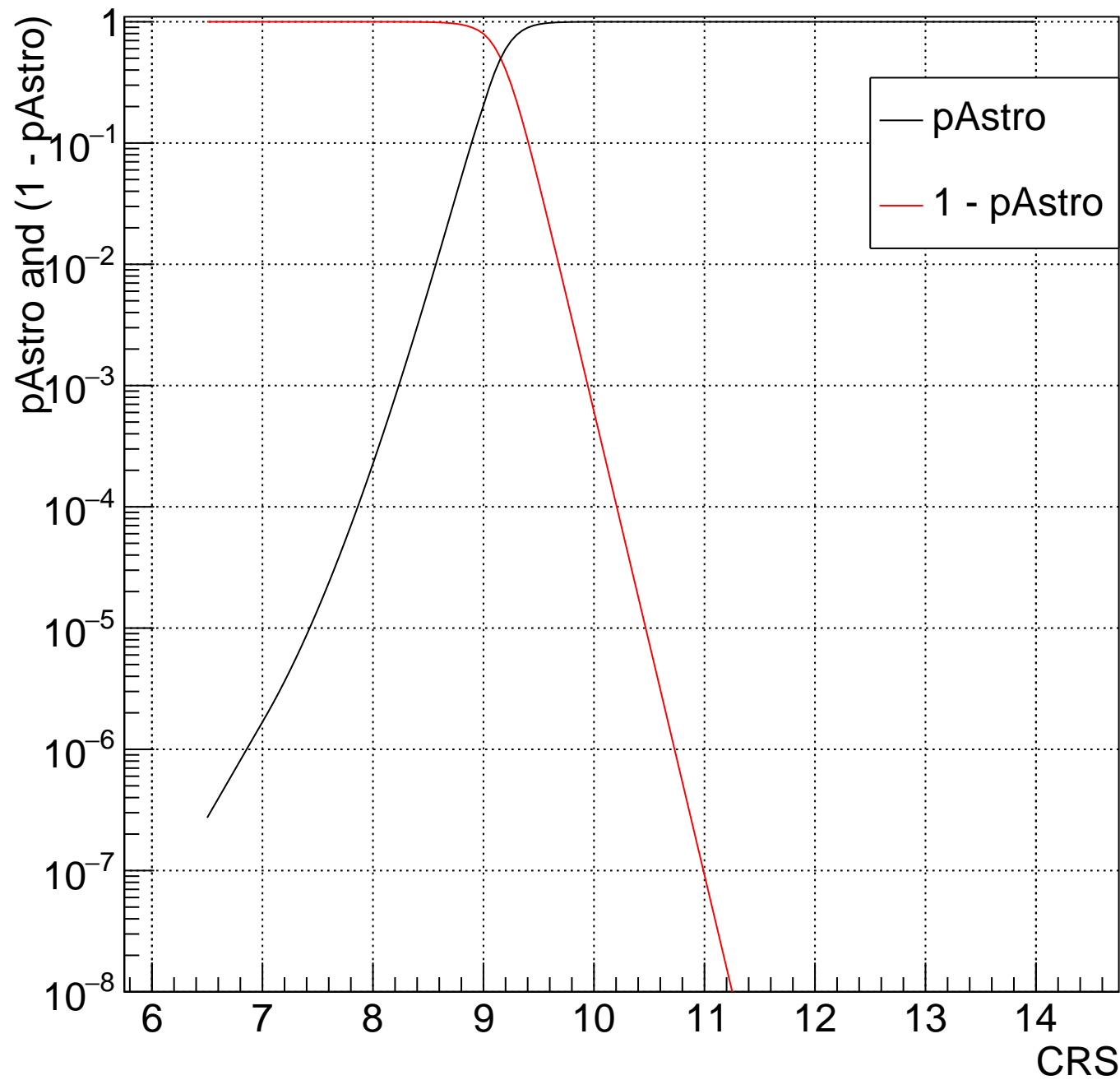
HL Bin:65  $2.522 < m_{\text{Chirp}} < 2.648$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



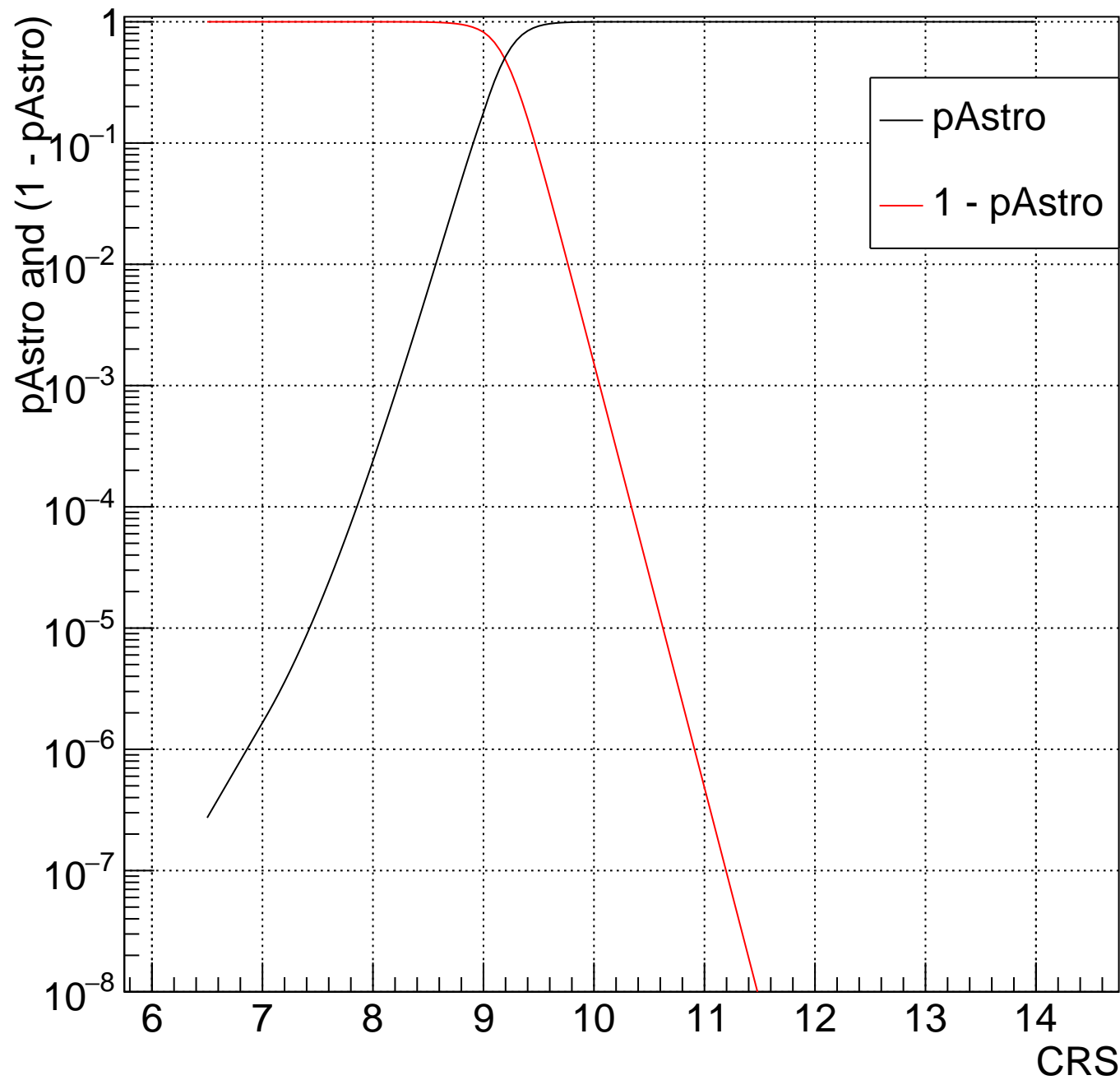
HL Bin:66  $2.648 < m_{\text{Chirp}} < 2.78$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



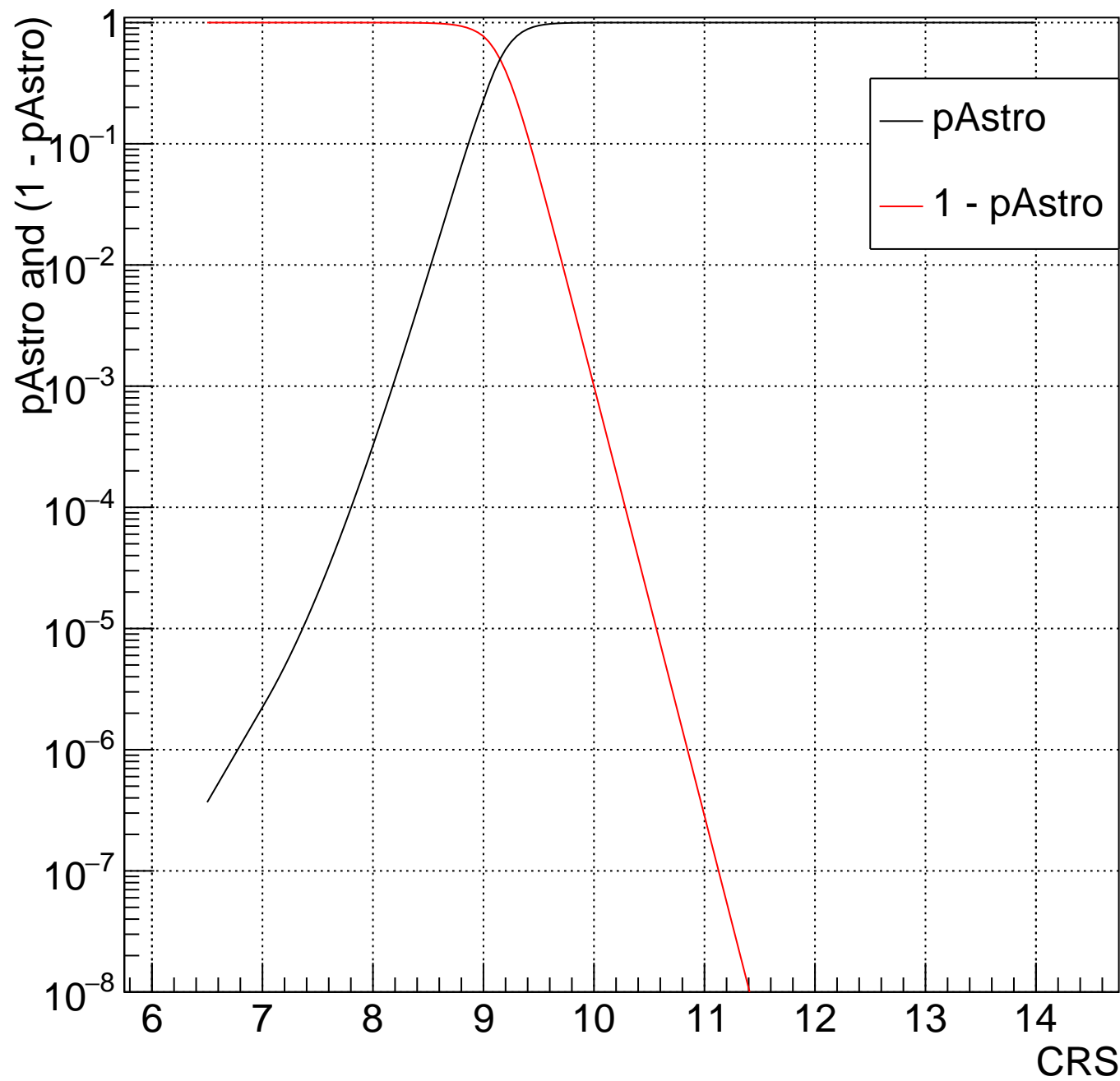
HL Bin:67  $2.78 < m_{\text{Chirp}} < 2.918$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



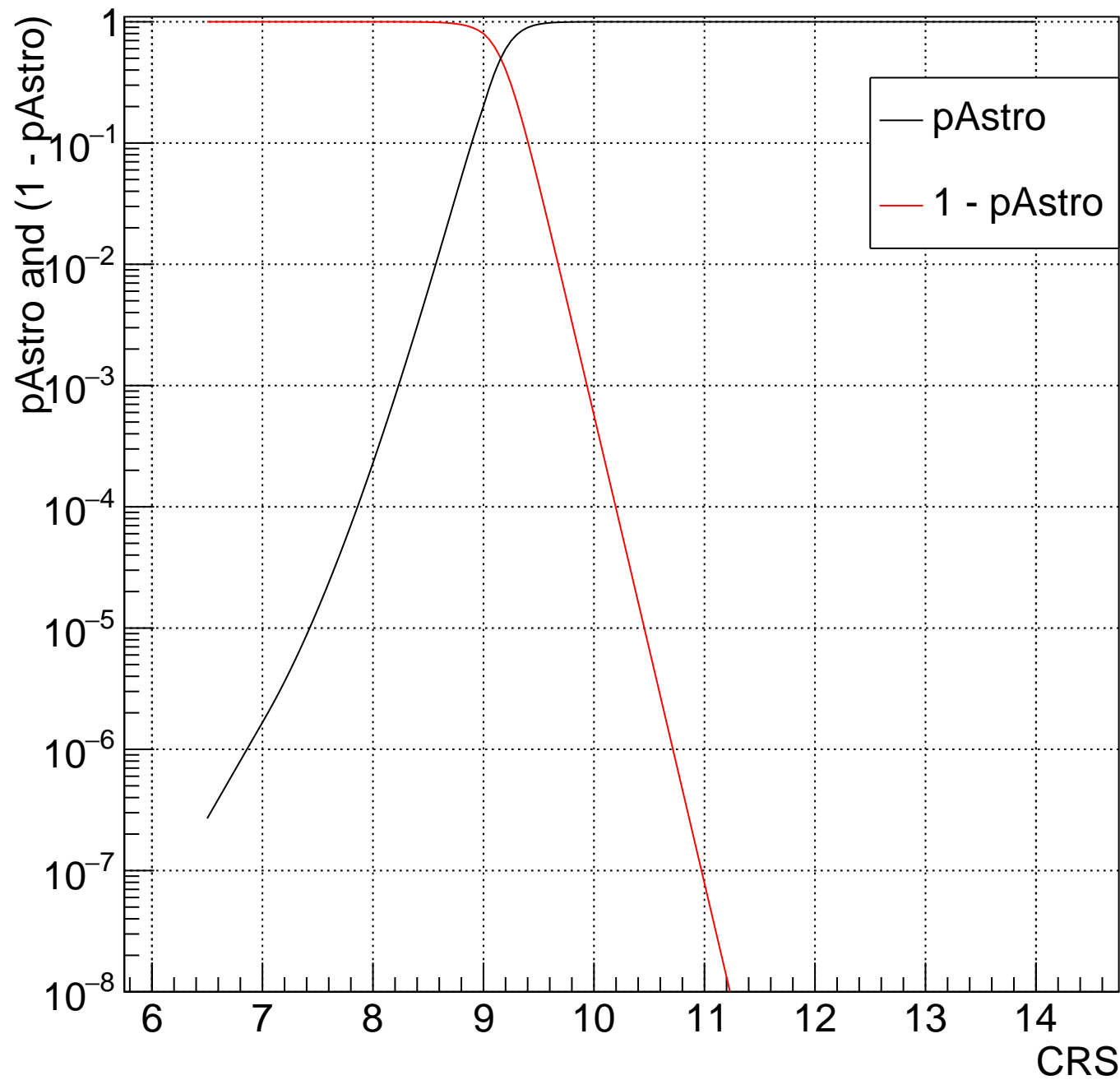
HL Bin:68  $2.918 < m_{\text{Chirp}} < 3.064$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



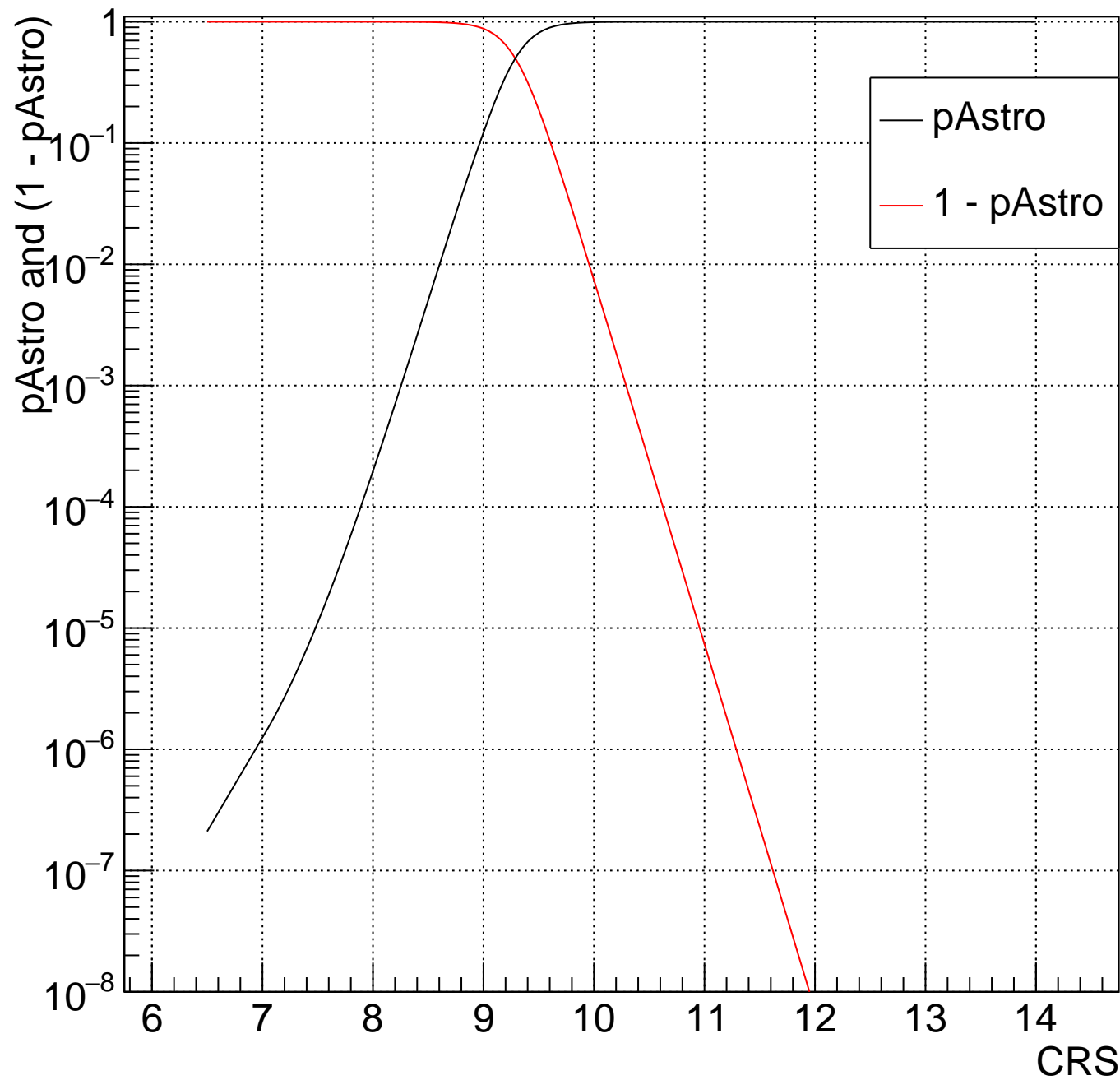
HL Bin:69  $3.064 < m_{\text{Chirp}} < 3.216$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



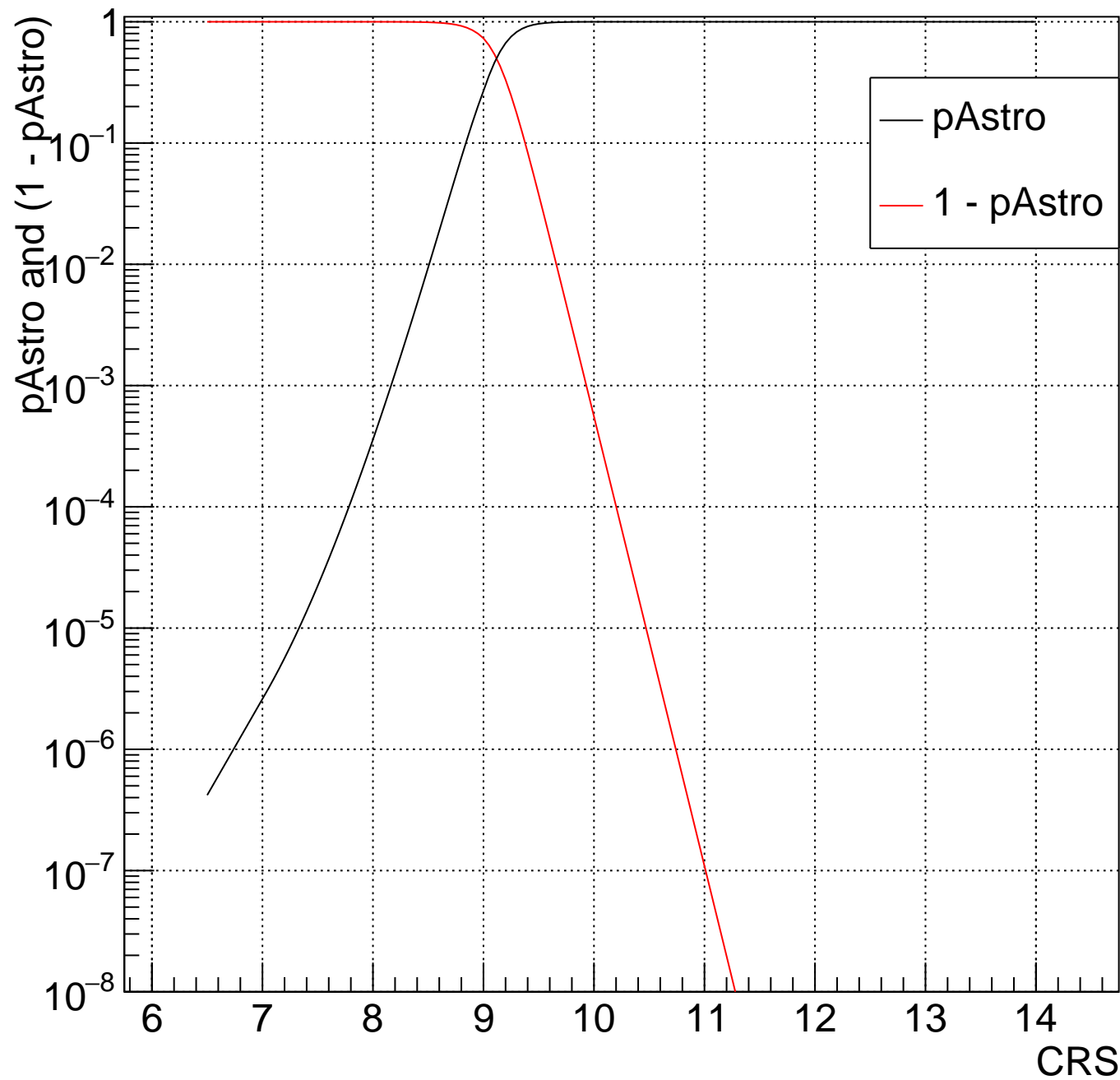
HL Bin:70  $3.216 < m_{\text{Chirp}} < 3.376$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



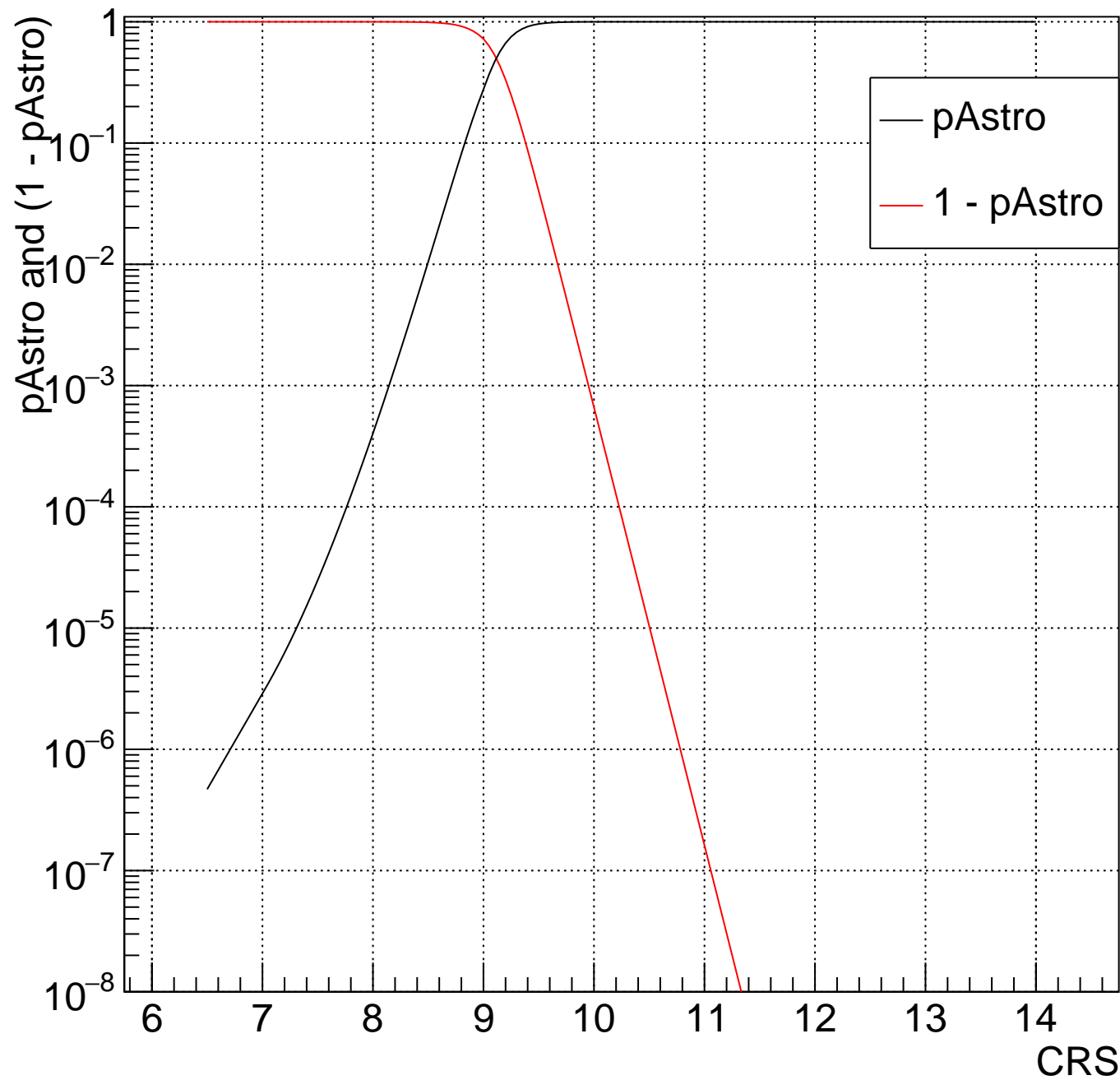
HL Bin:71  $3.376 < m_{\text{Chirp}} < 3.545$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



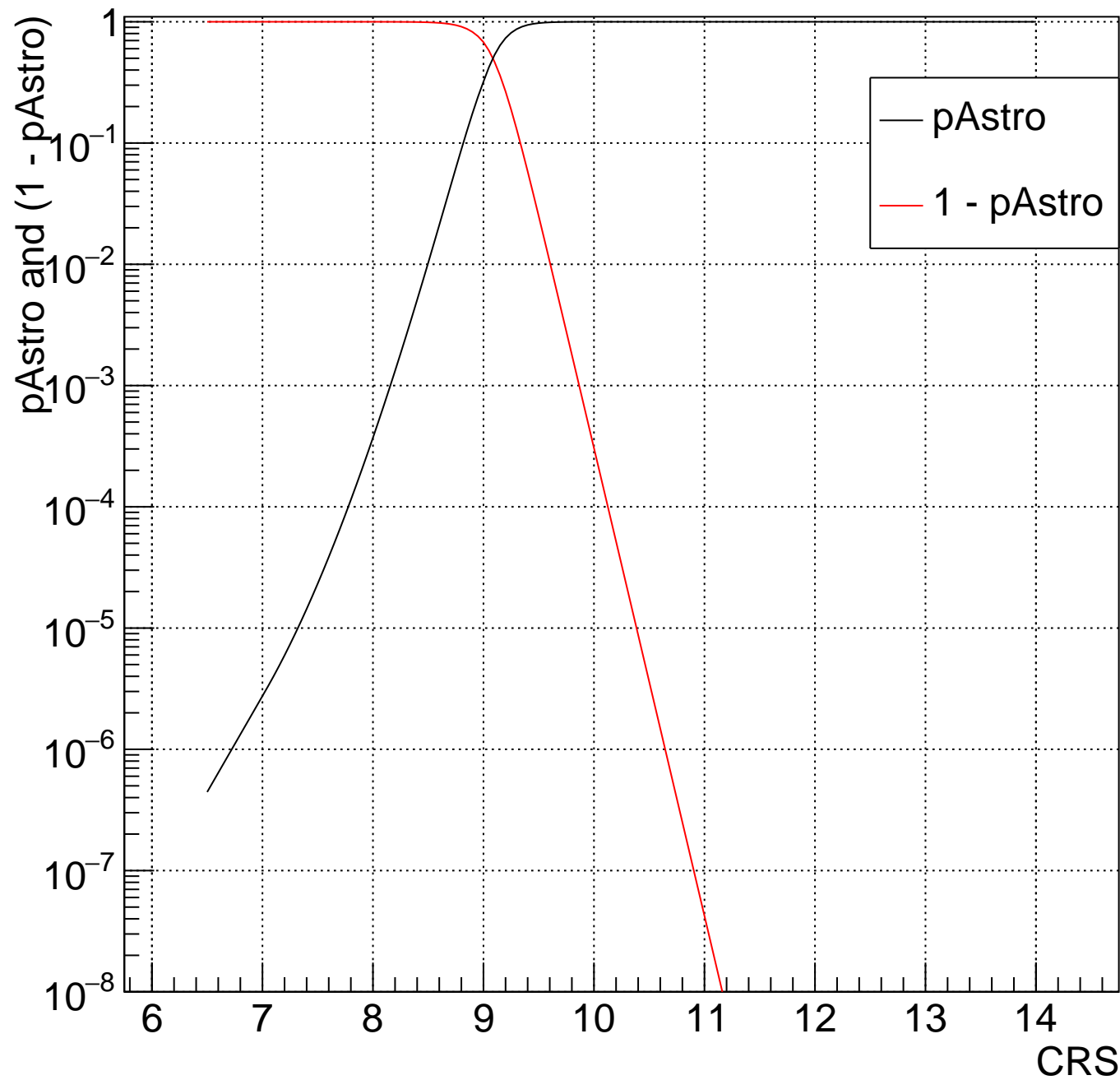
HL Bin:72  $3.545 < m_{\text{Chirp}} < 3.721$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



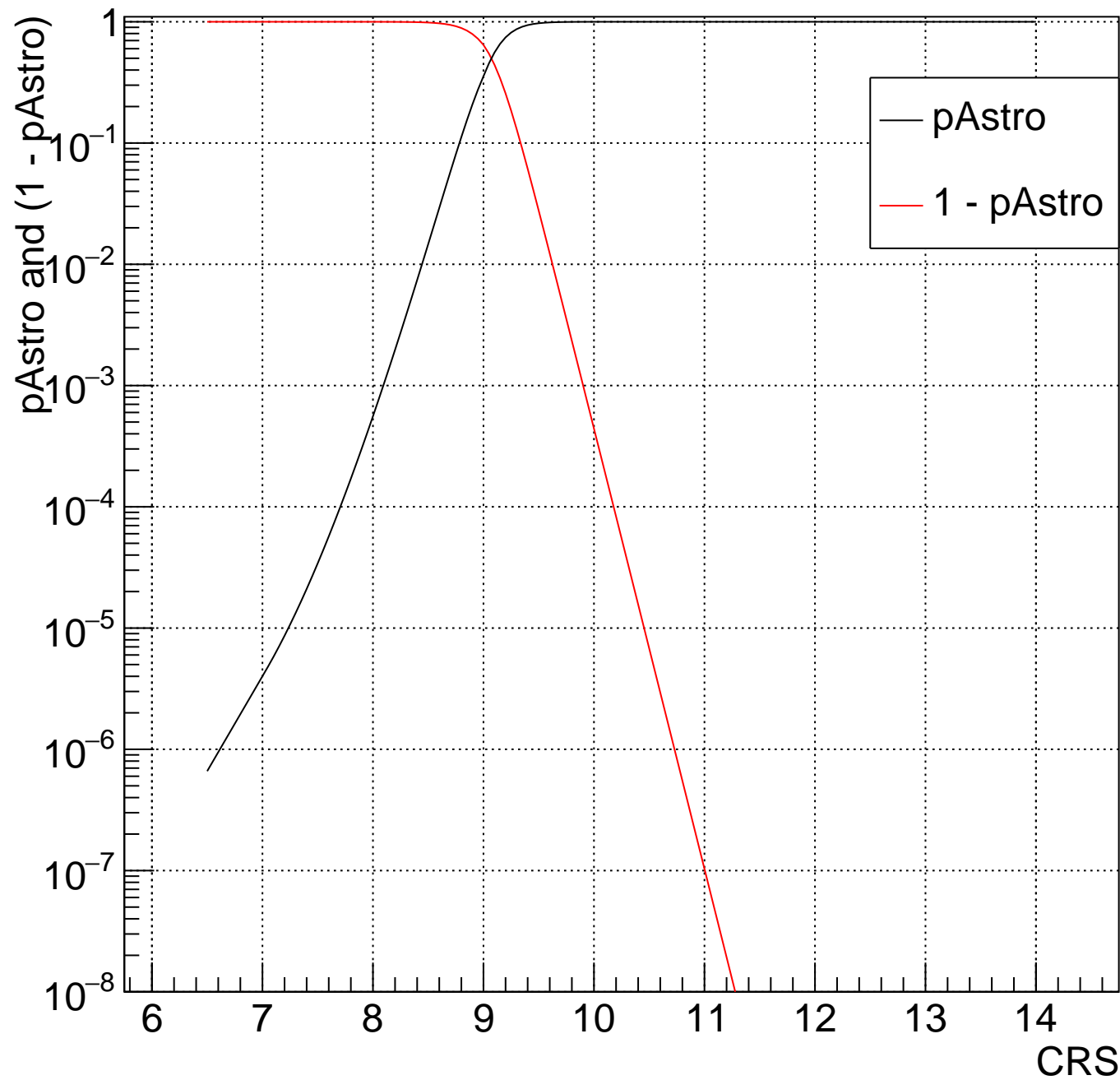
HL Bin:73  $3.721 < m_{\text{Chirp}} < 3.907$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



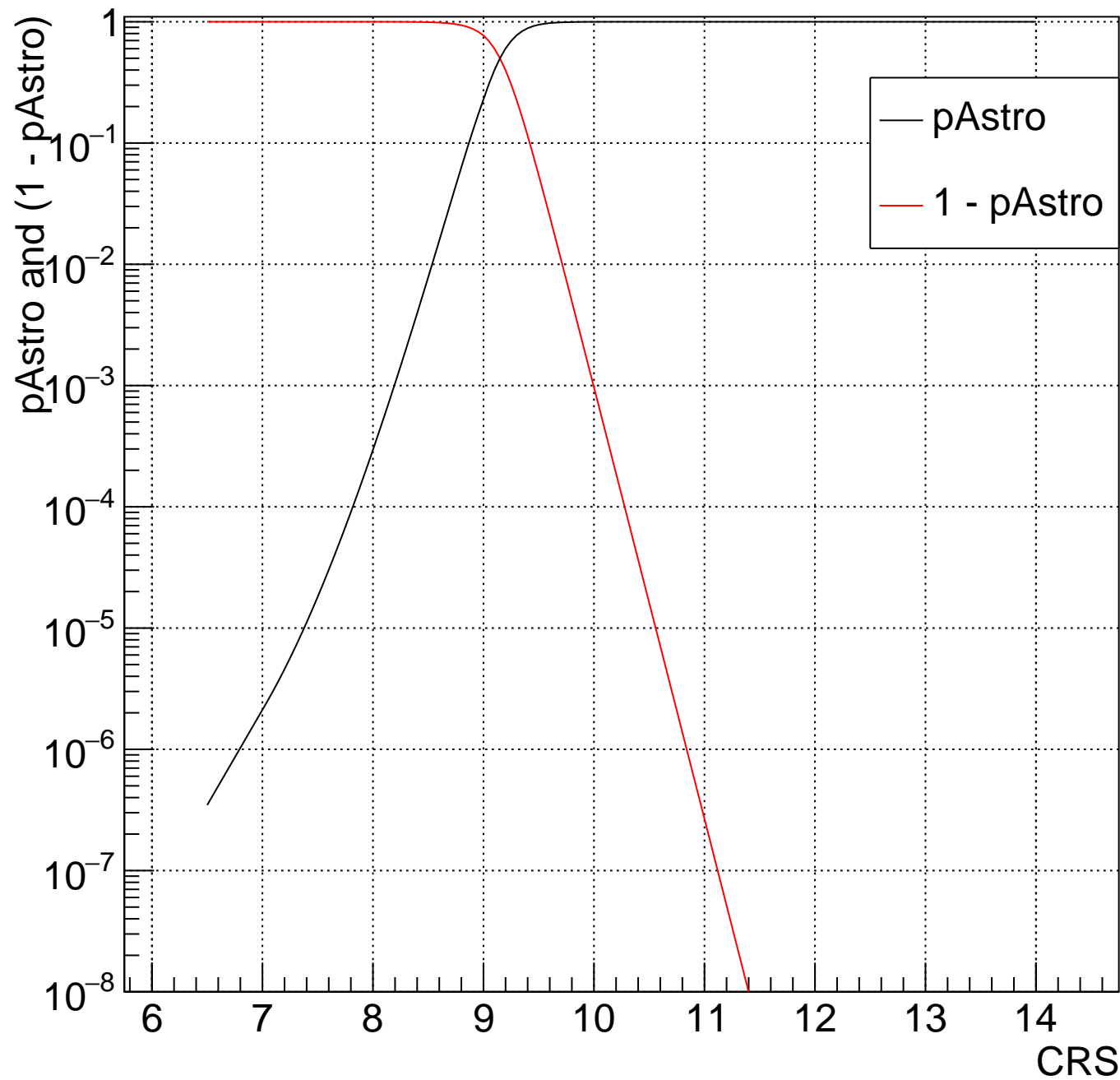
HL Bin:74  $3.907 < m_{\text{Chirp}} < 4.101$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



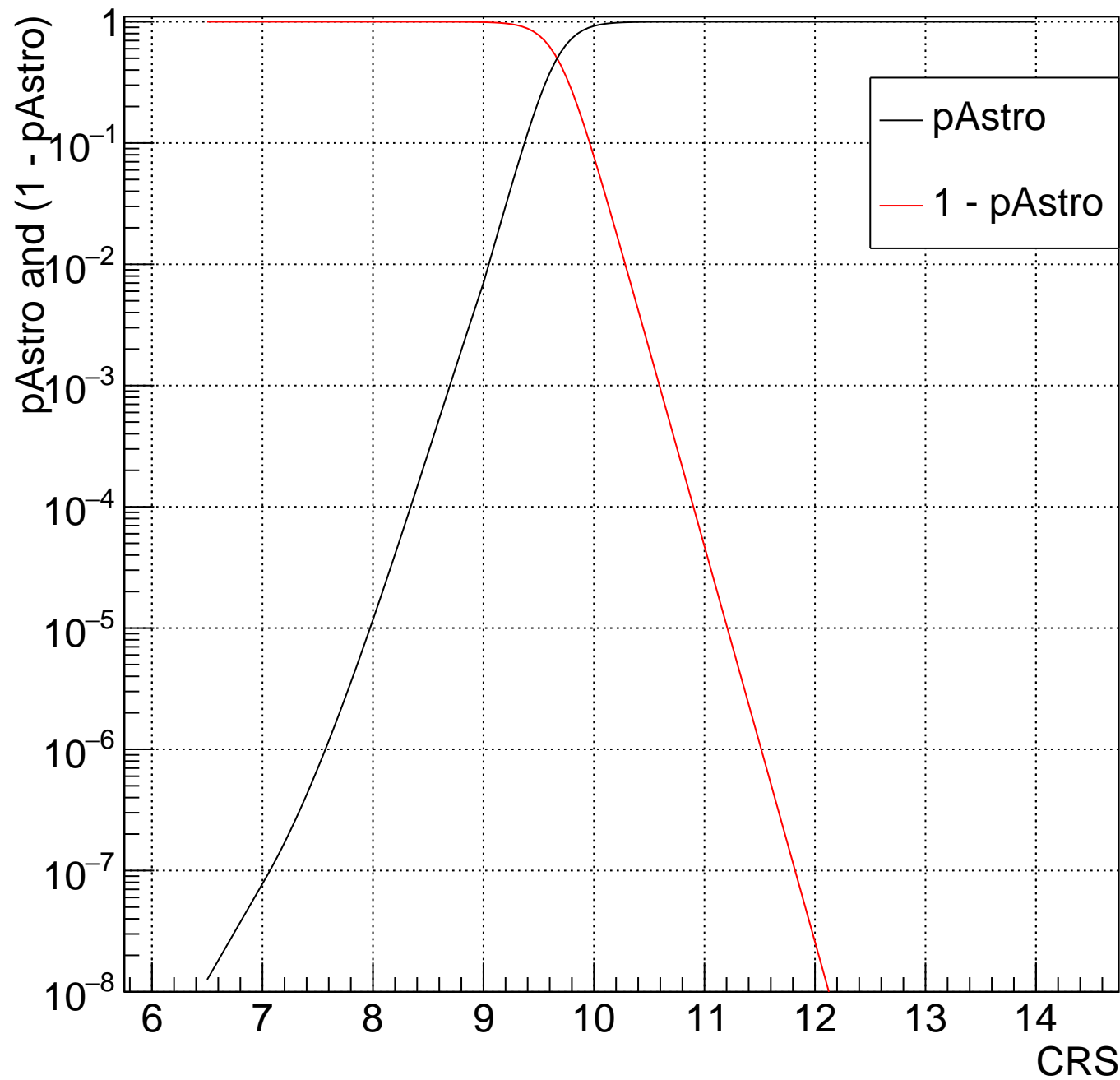
HL Bin:75  $4.101 < m_{\text{Chirp}} < 4.305$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



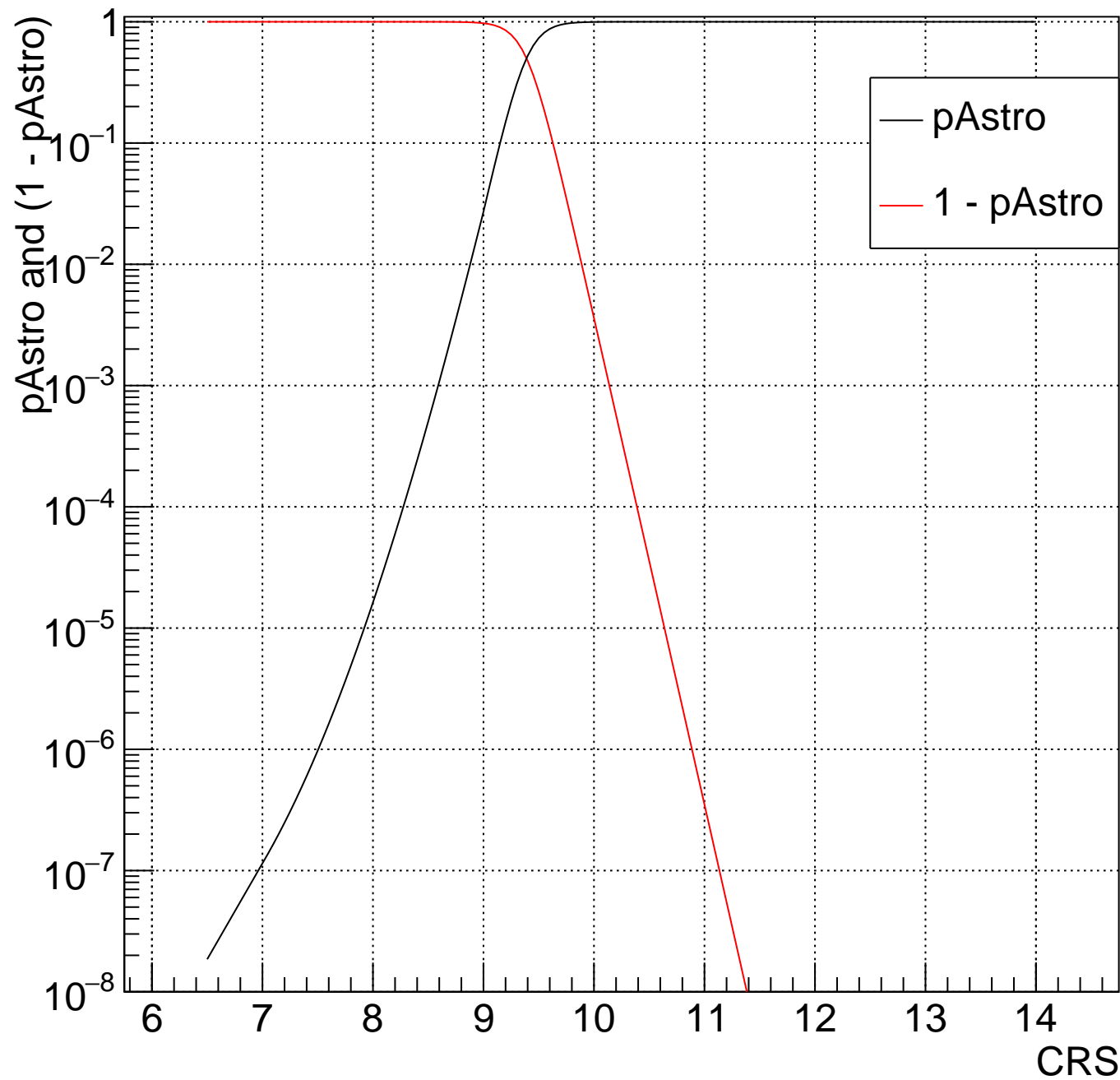
HL Bin:76  $4.305 < m_{\text{Chirp}} < 4.52$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



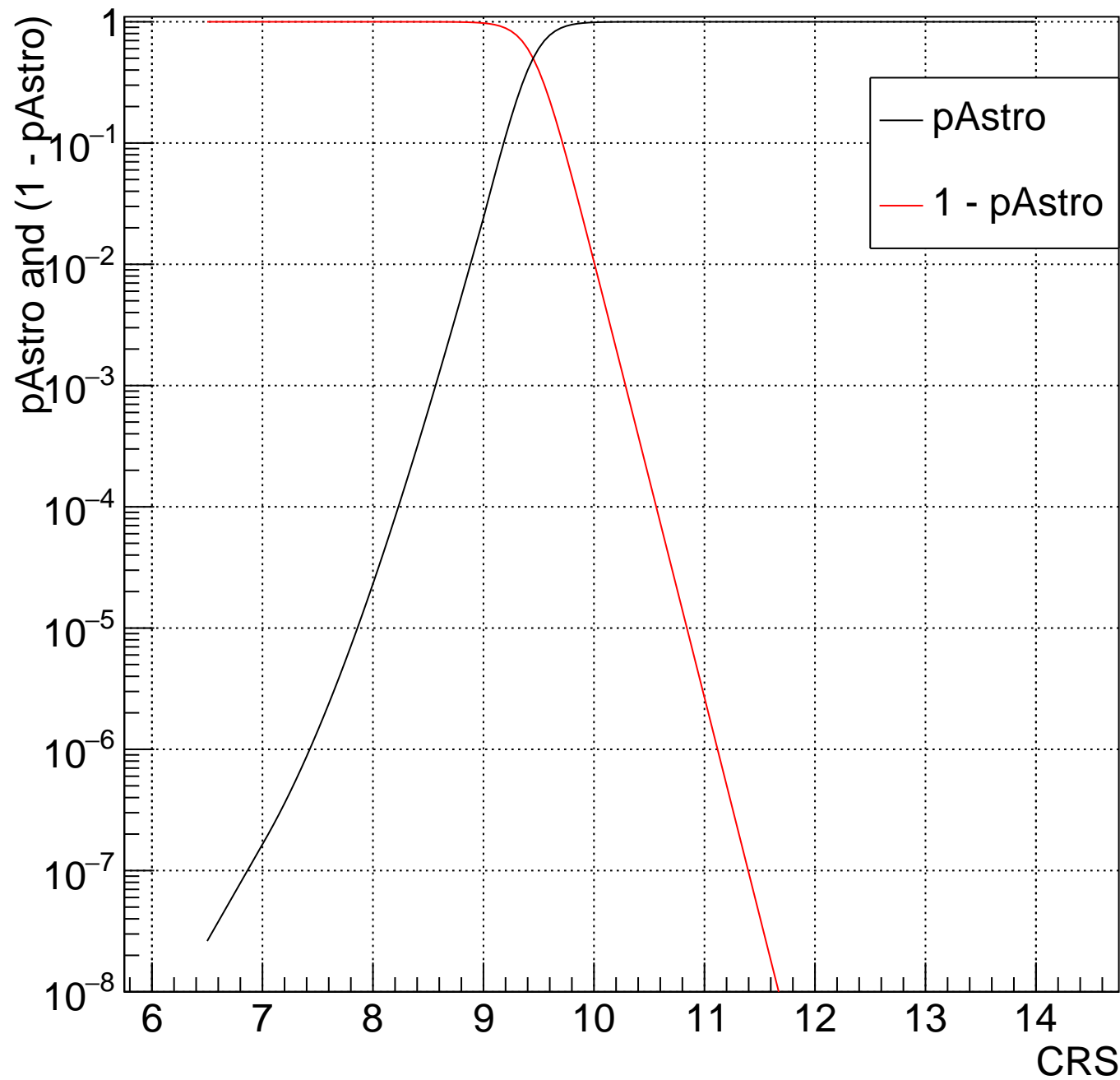
HL Bin:  $77 < m_{\text{Chirp}} < 4.745$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



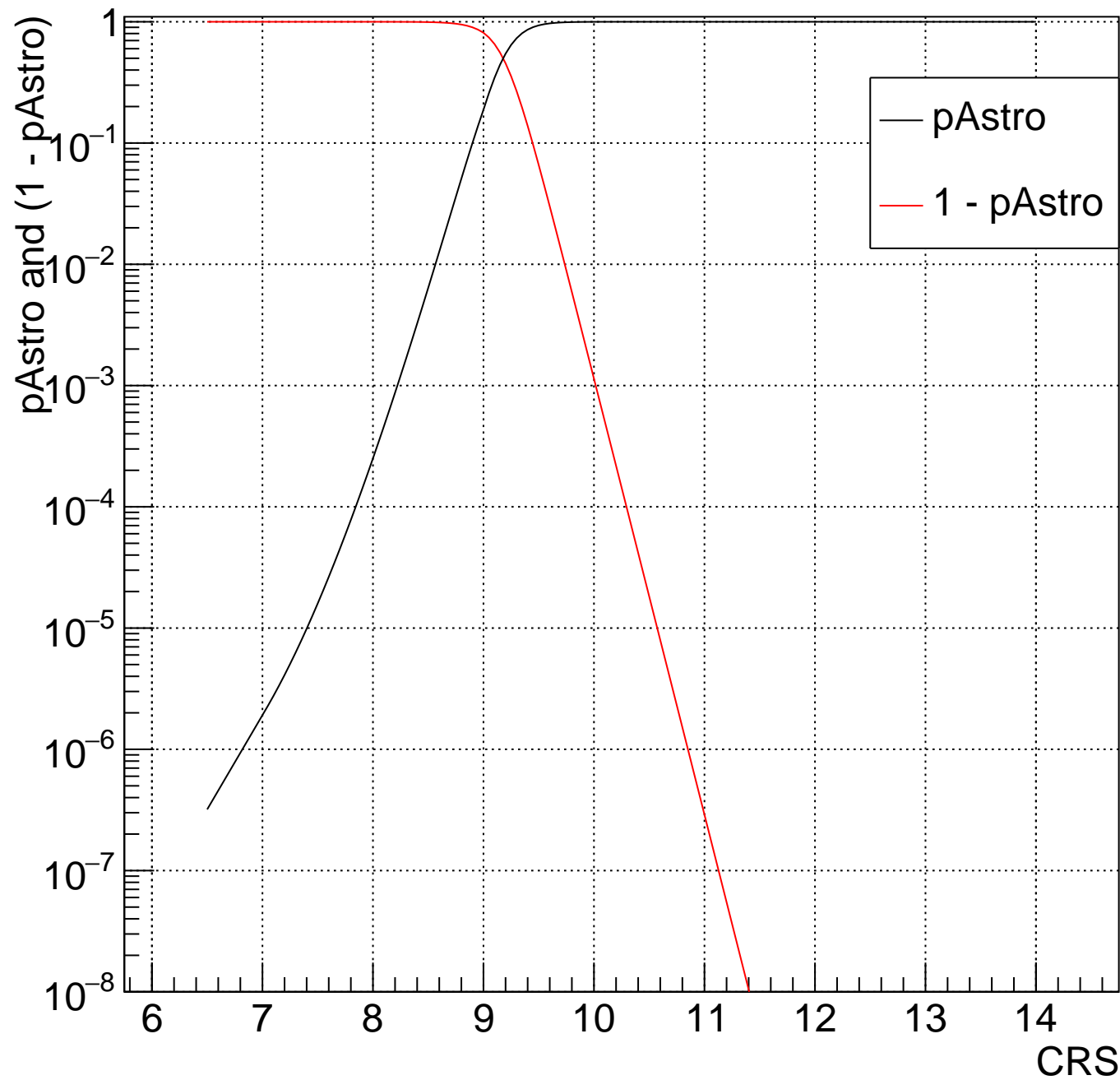
HL Bin:78  $4.745 < m_{\text{Chirp}} < 4.981$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



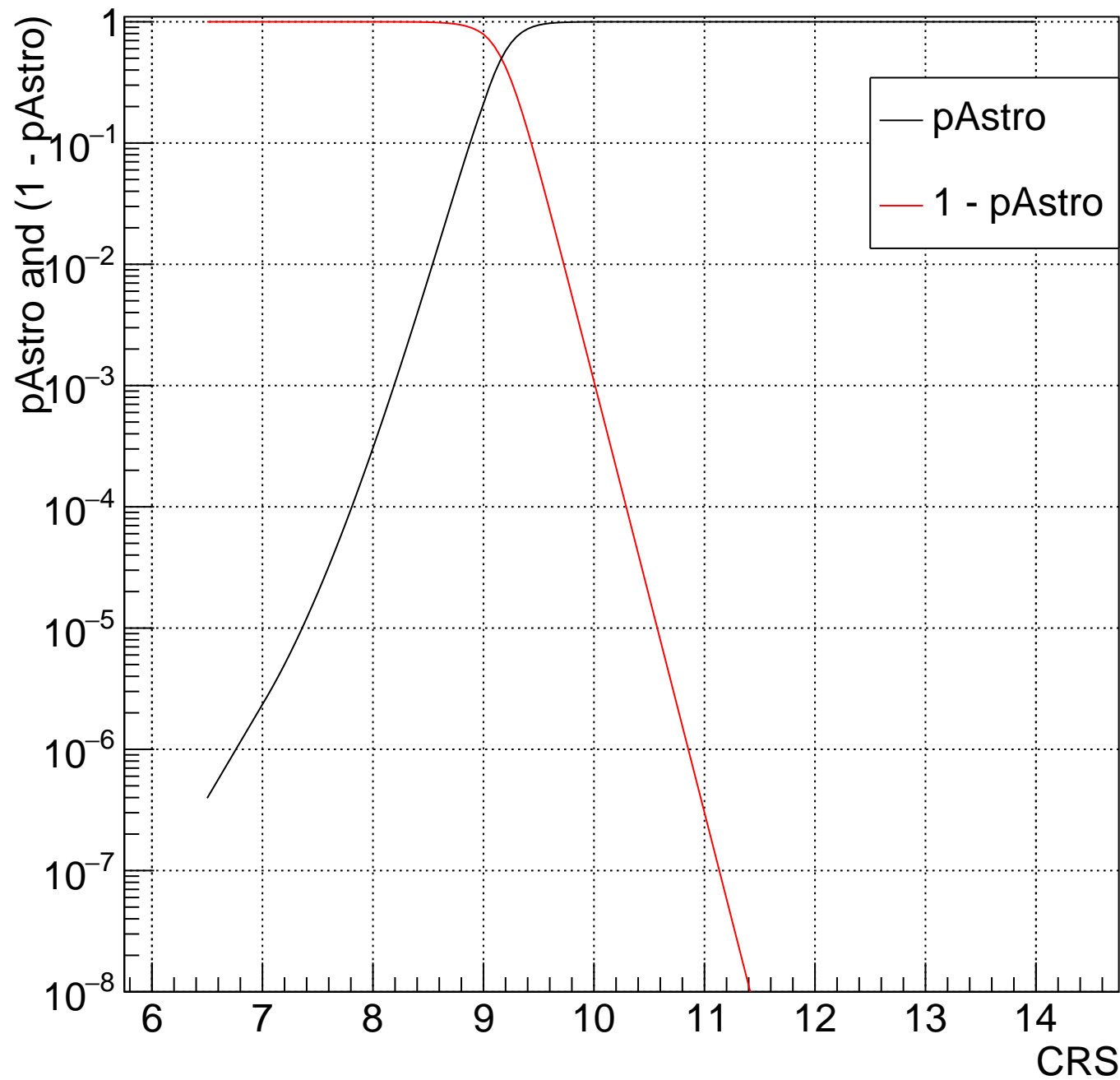
HL Bin:79  $4.981 < m_{\text{Chirp}} < 5.229$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



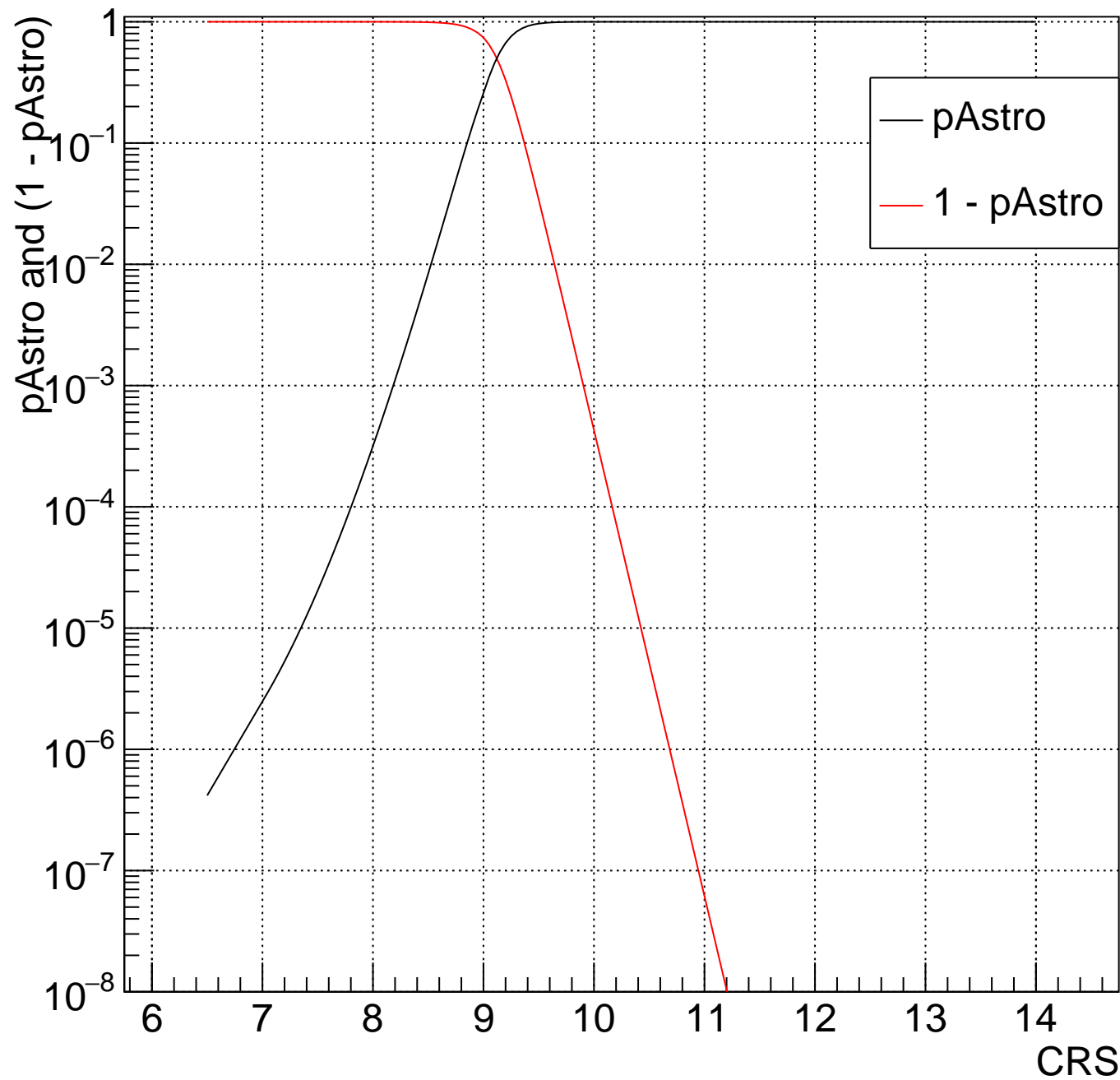
HL Bin:80  $5.229 < m_{\text{Chirp}} < 5.49$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



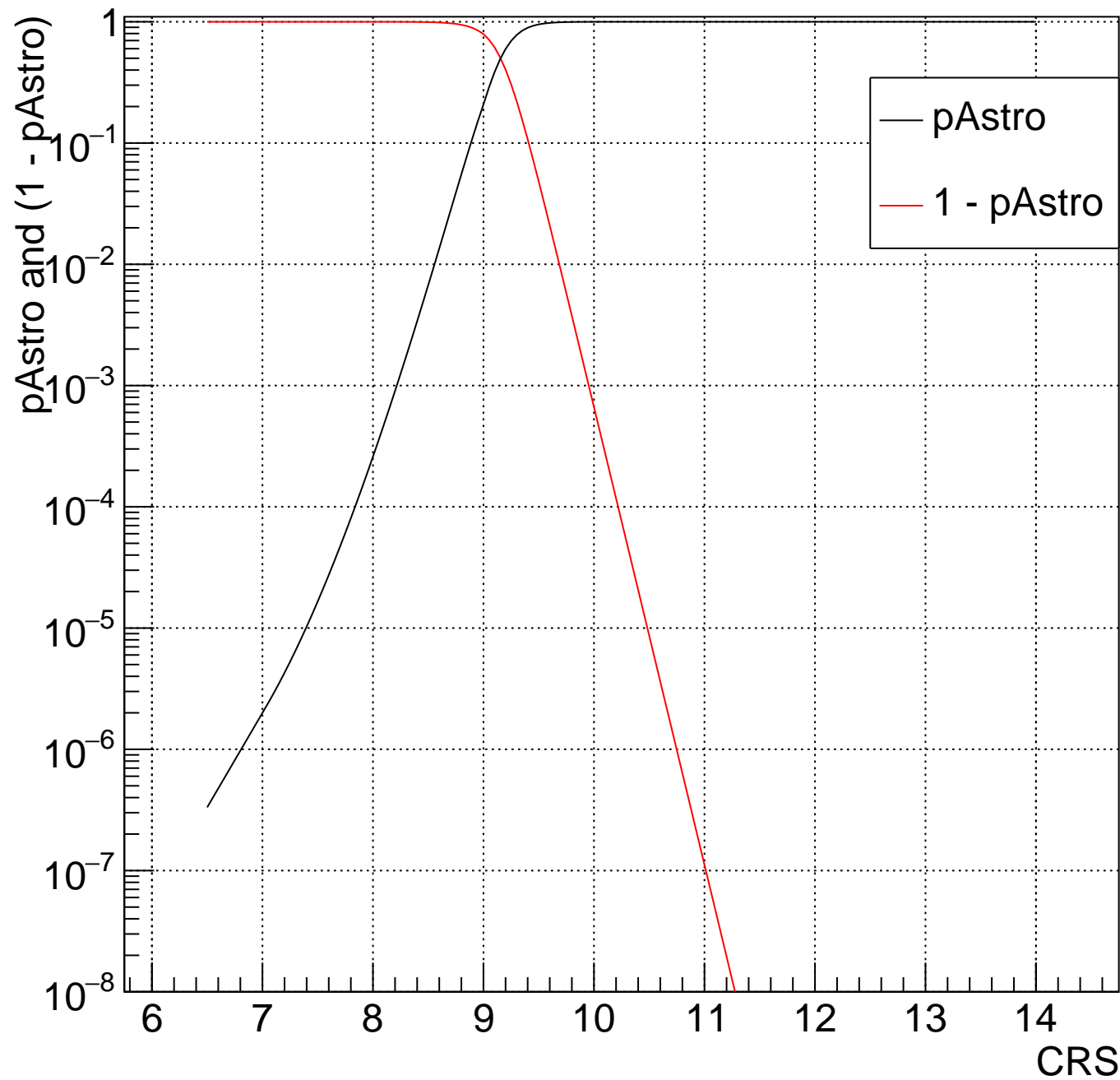
HL Bin:81  $5.49 < m_{\text{Chirp}} < 5.763$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



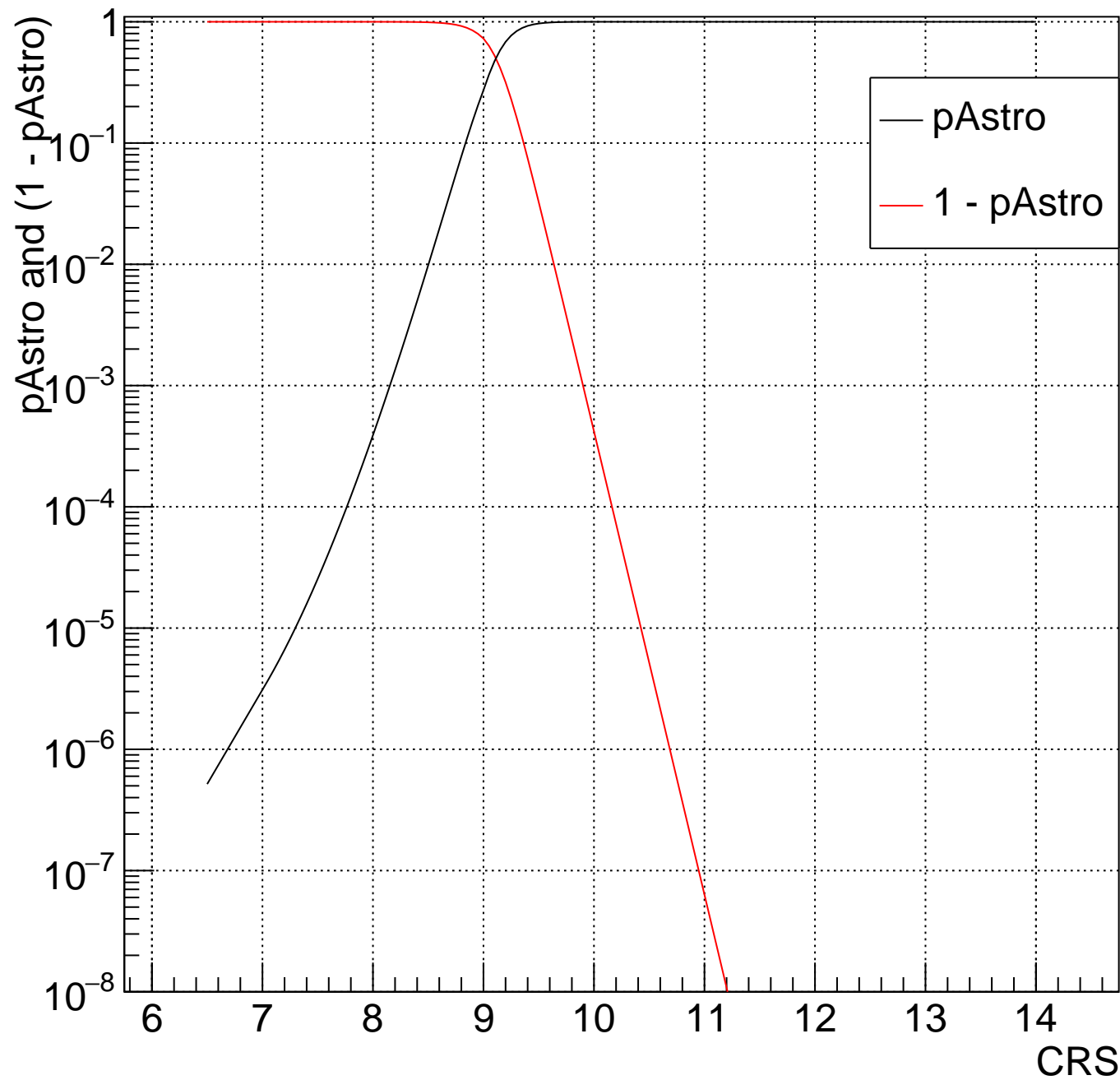
HL Bin:82  $5.763 < m_{\text{Chirp}} < 6.05$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



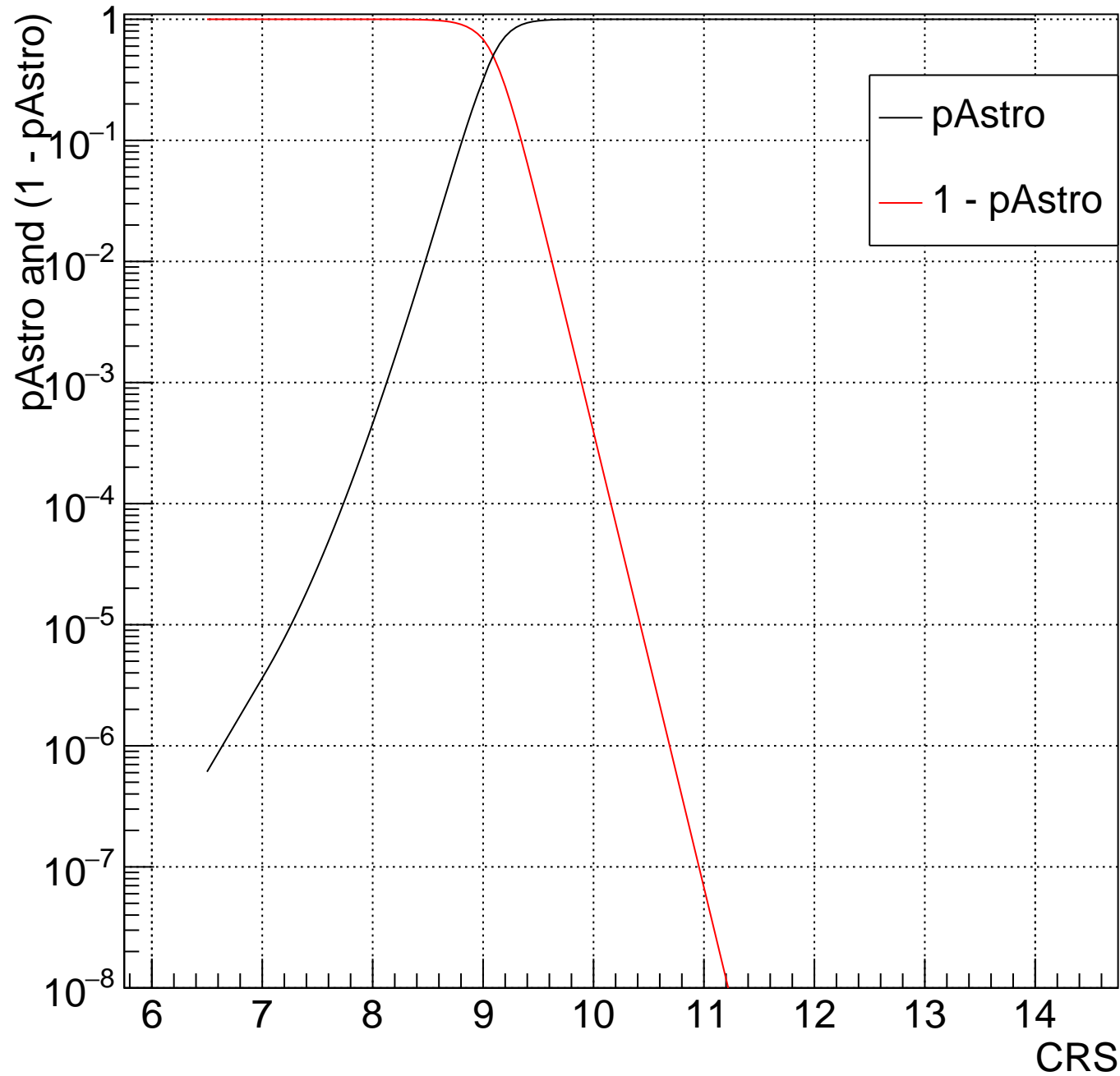
HL Bin: 83  $6.05 < m_{\text{Chirp}} < 6.352$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



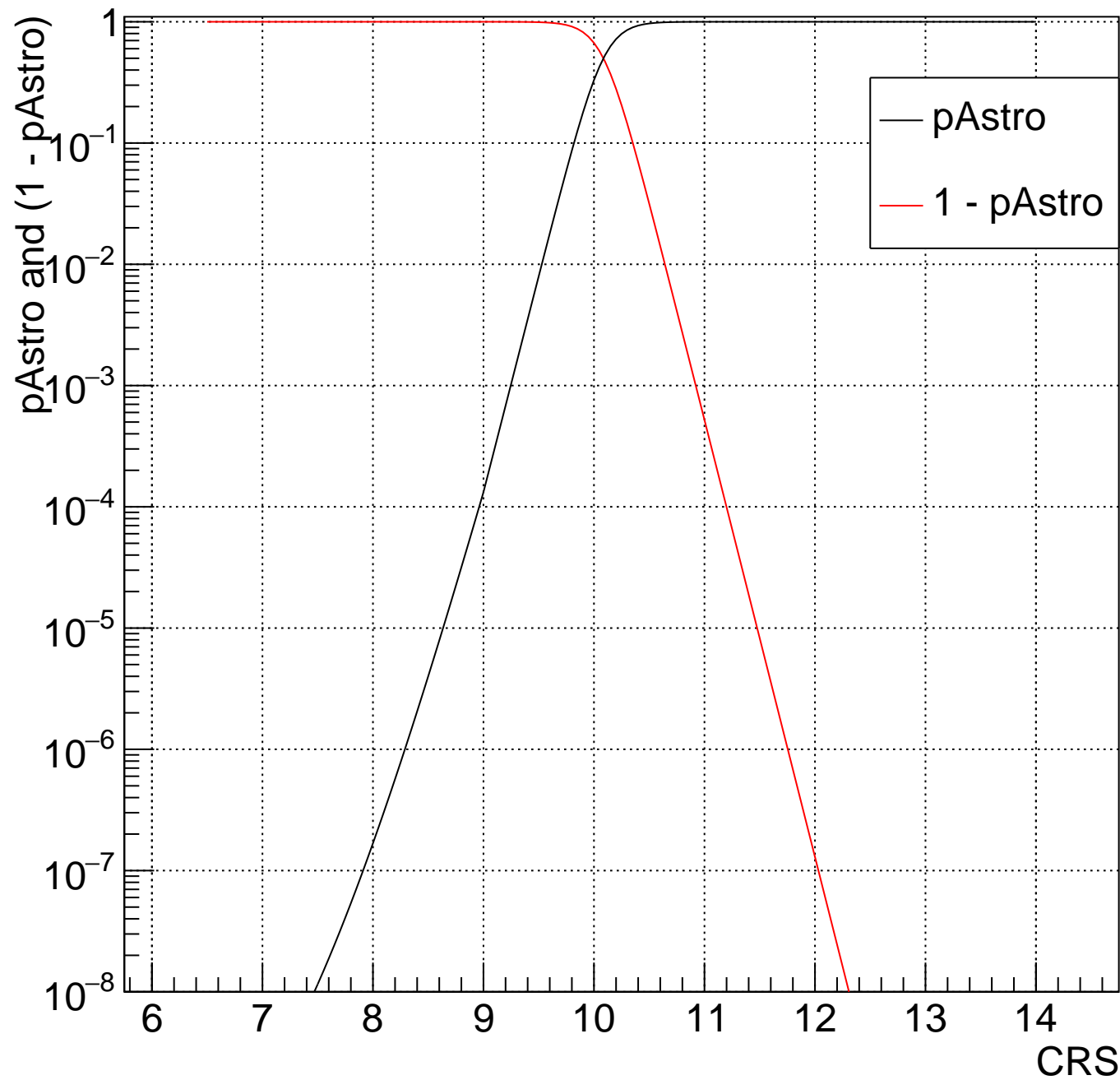
HL Bin:84  $6.352 < m_{\text{Chirp}} < 6.668$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



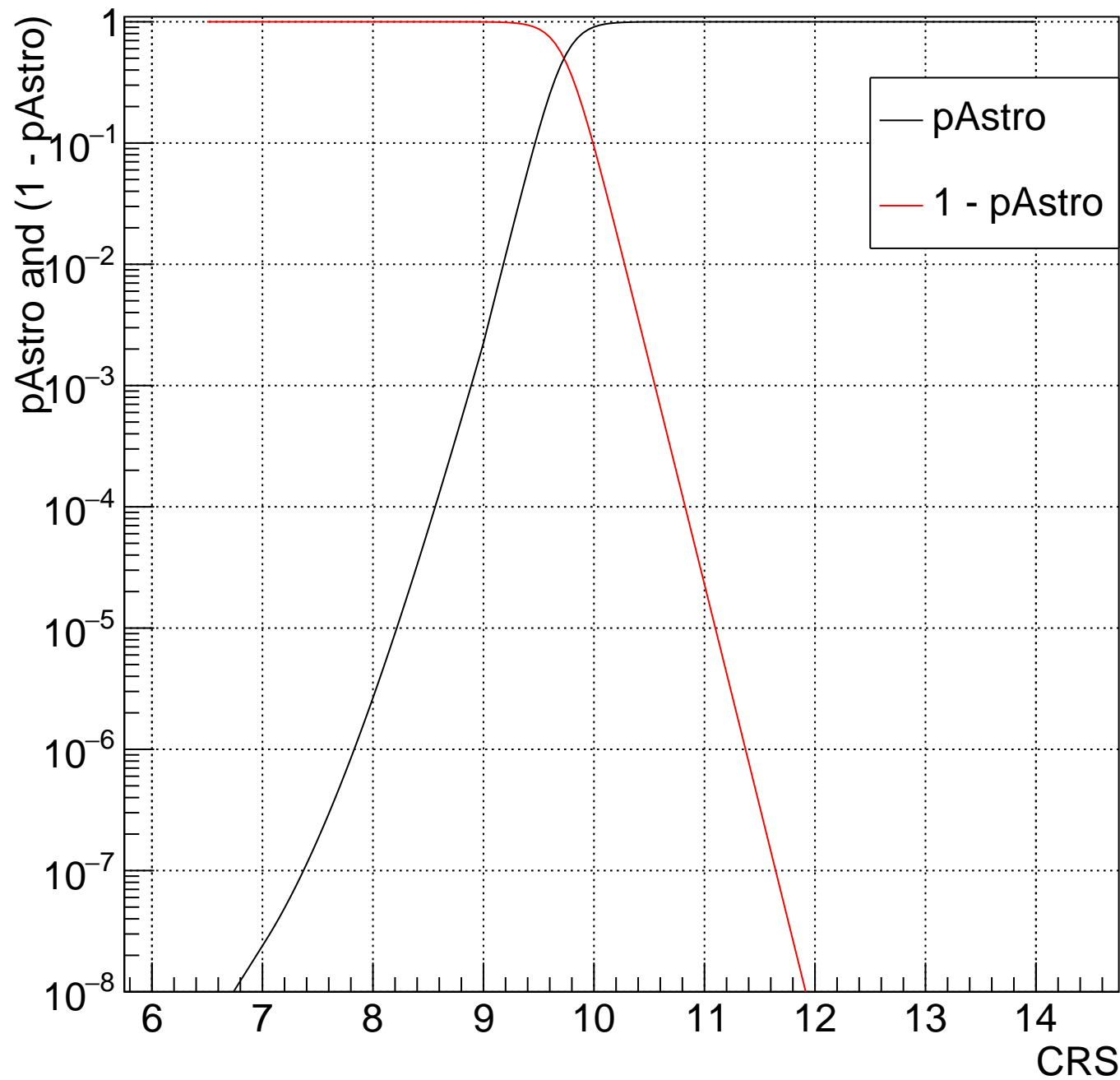
HL Bin:85  $6.668 < m_{\text{Chirp}} < 7$  and  $0.3333 < m_2/m_1 < 0.6667$ , no 1 band



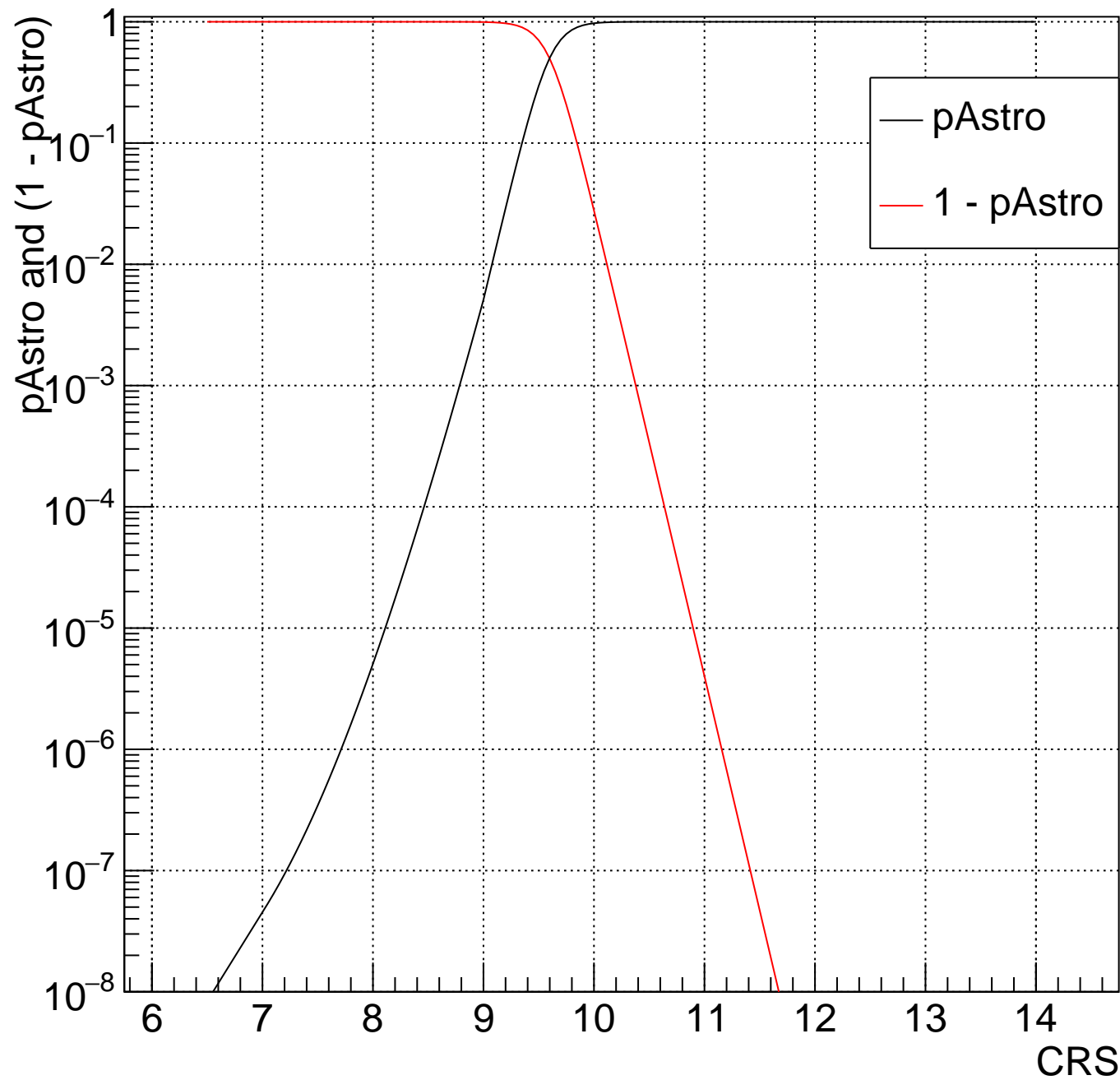
HL Bin:86  $0.8658 < m_{\text{Chirp}} < 0.9089$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



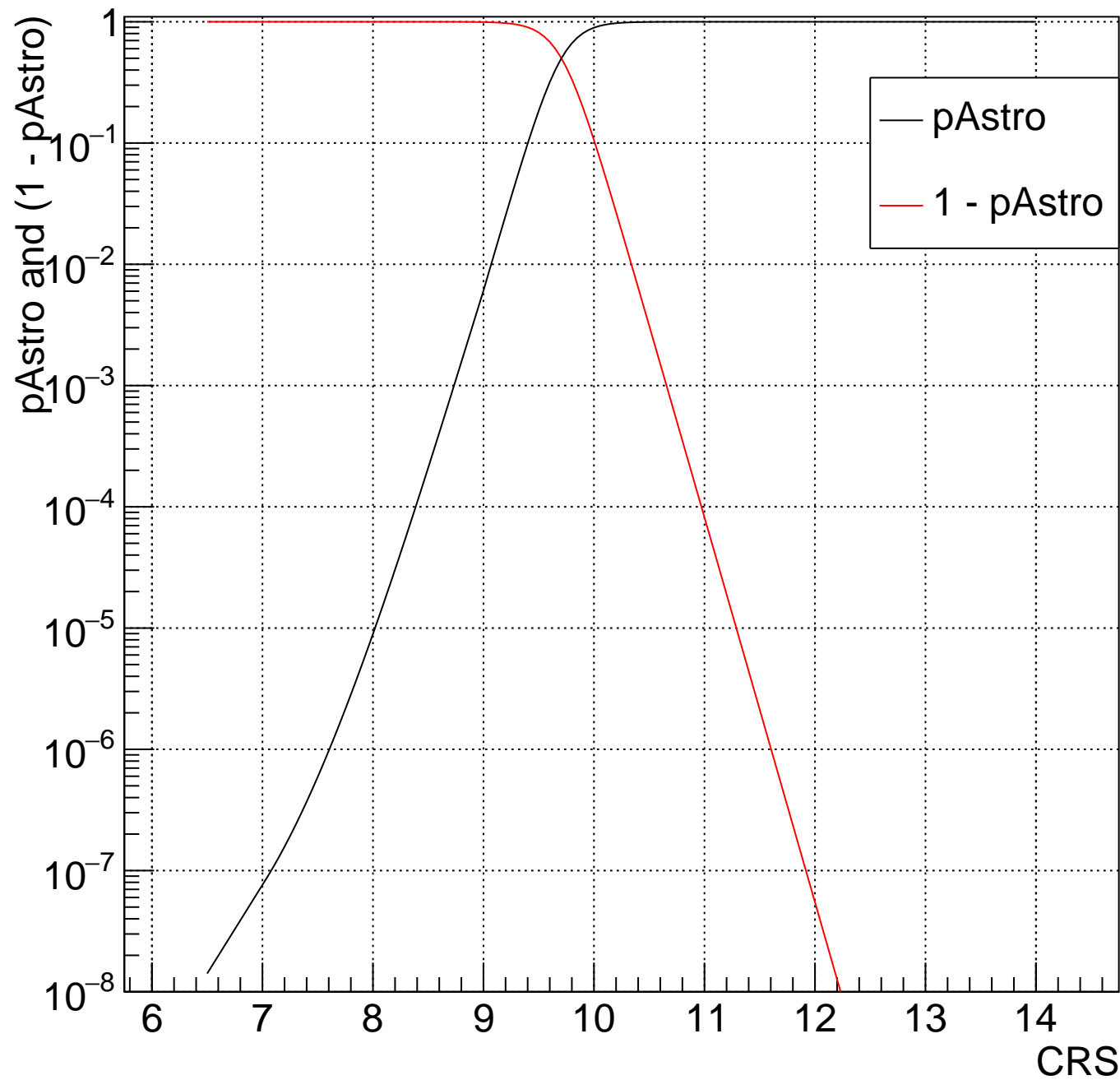
HL Bin:87  $0.9089 < m_{\text{Chirp}} < 0.9542$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



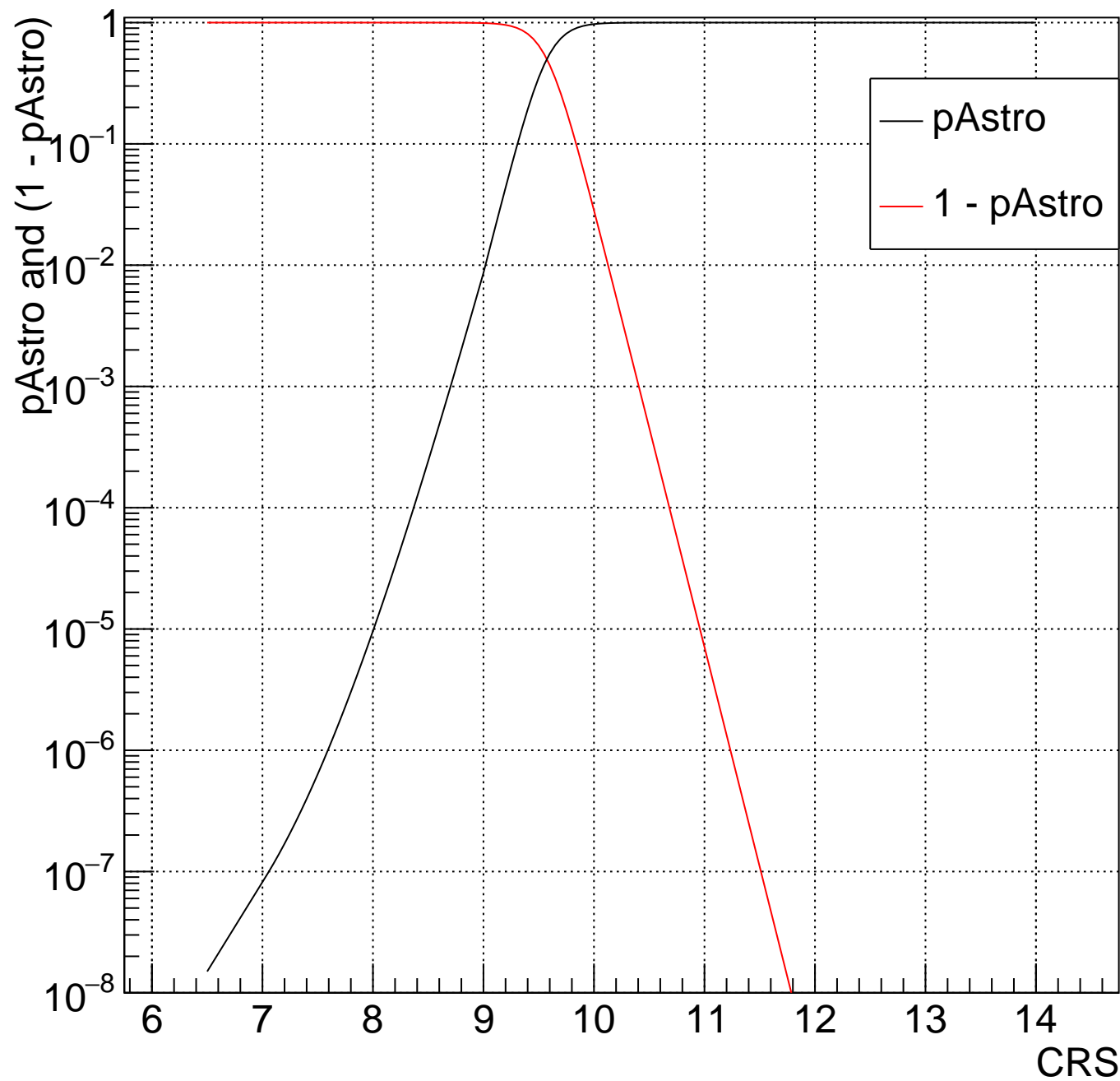
HL Bin:88  $0.9542 < m_{\text{Chirp}} < 1.002$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



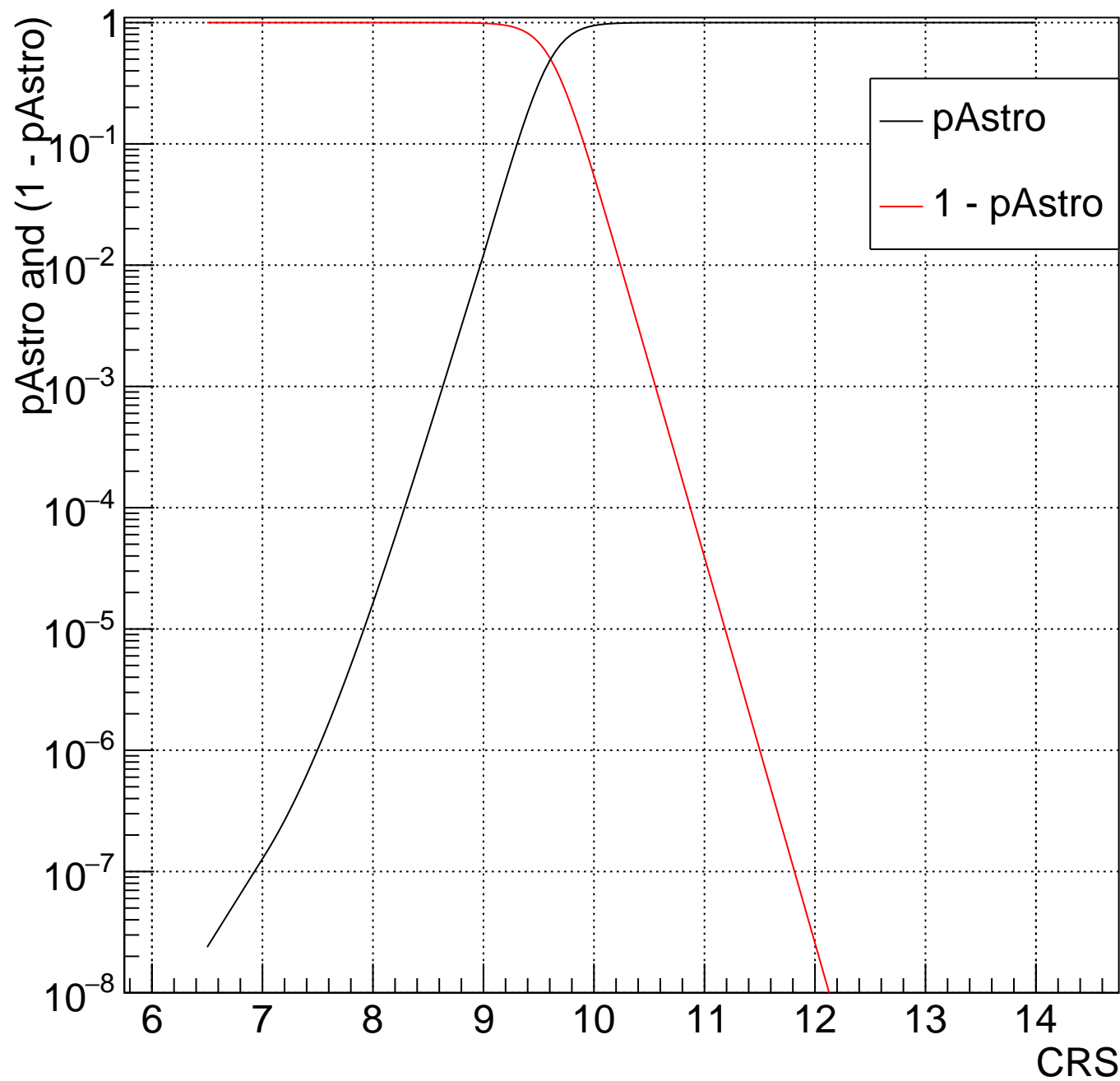
HL Bin:89  $1.002 < m_{\text{Chirp}} < 1.052$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



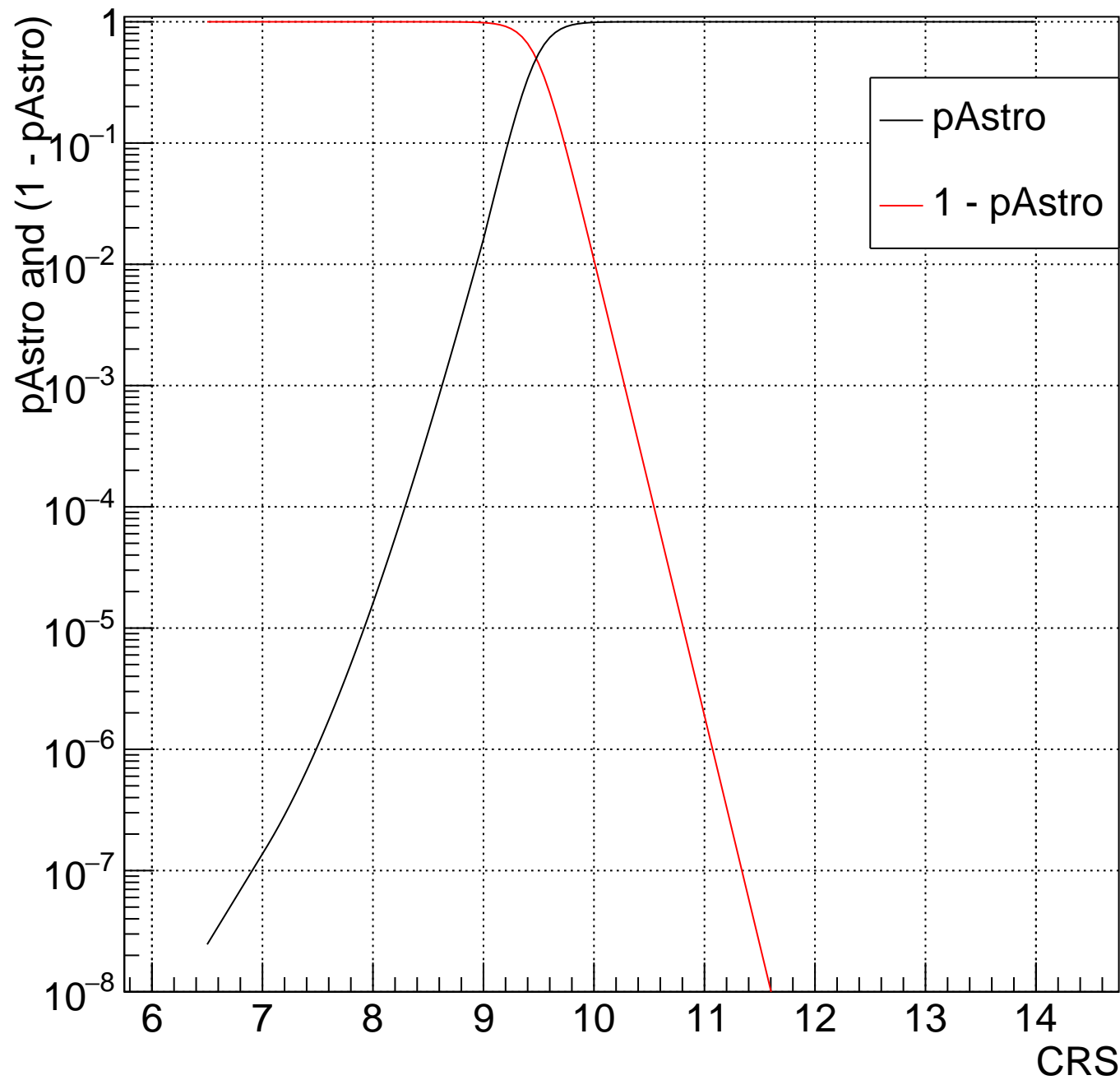
HL Bin:90  $1.052 < m_{\text{Chirp}} < 1.104$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



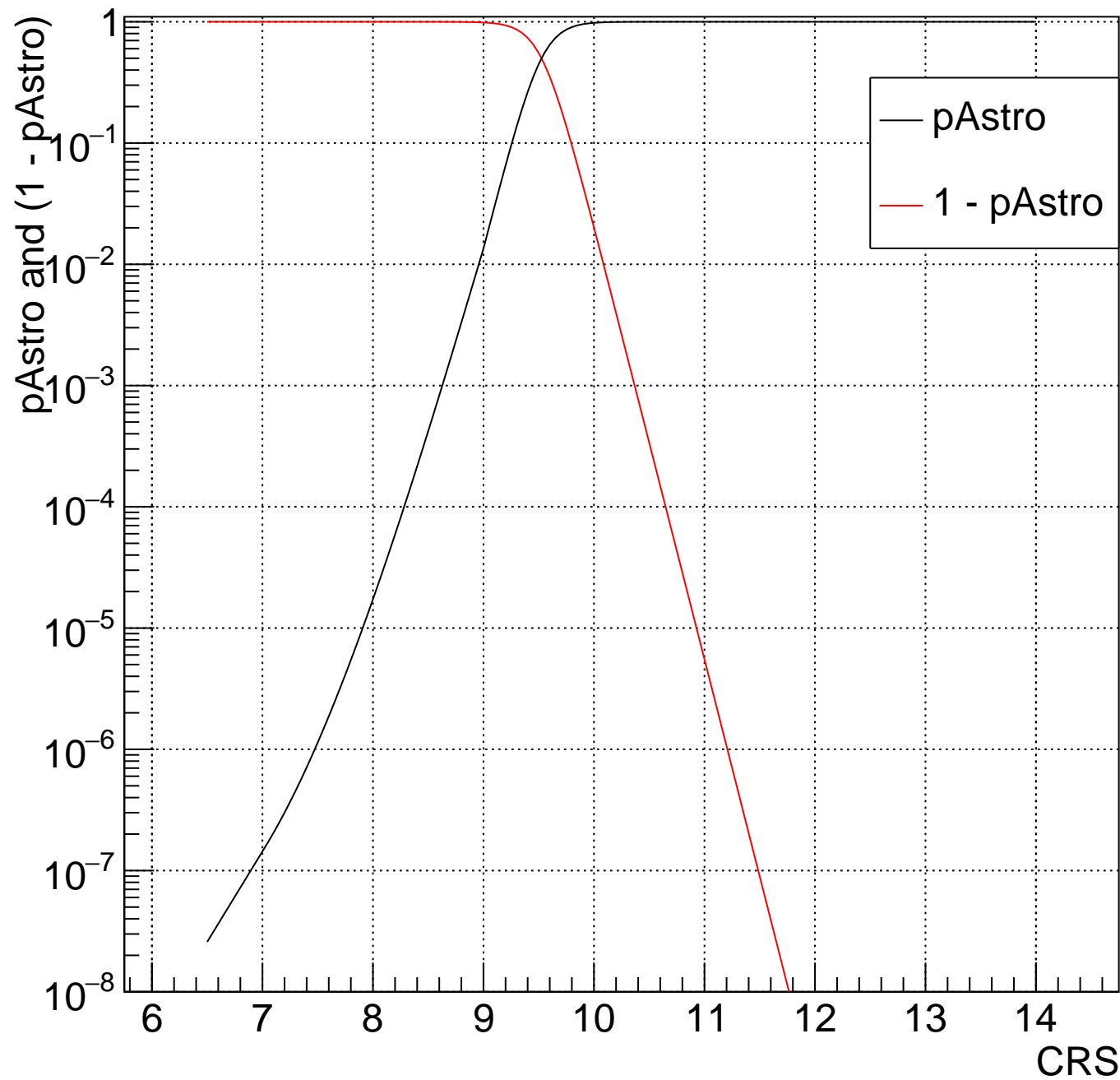
HL Bin:91  $1.104 < m_{\text{Chirp}} < 1.159$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



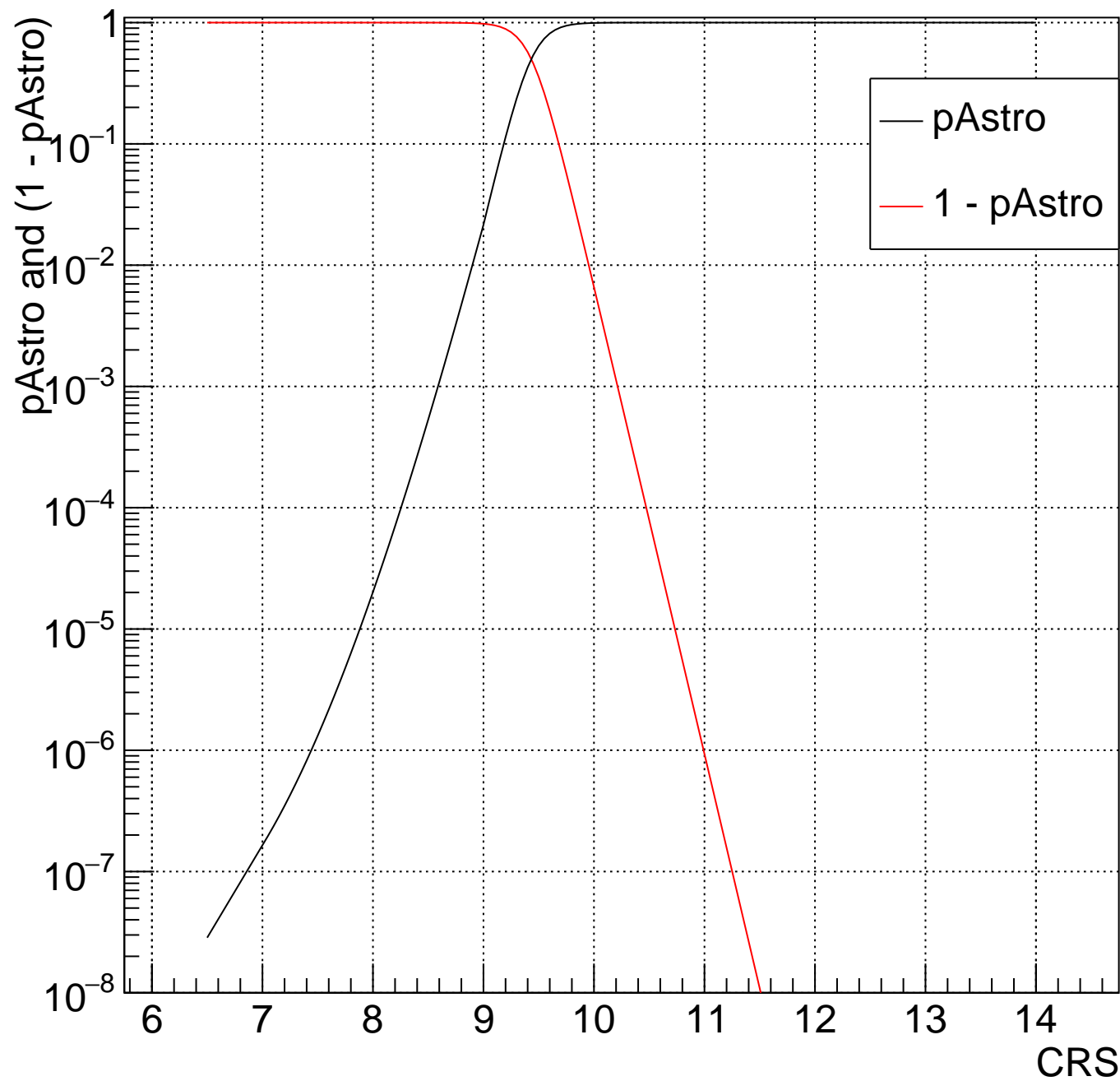
HL Bin:92  $1.159 < m_{\text{Chirp}} < 1.217$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



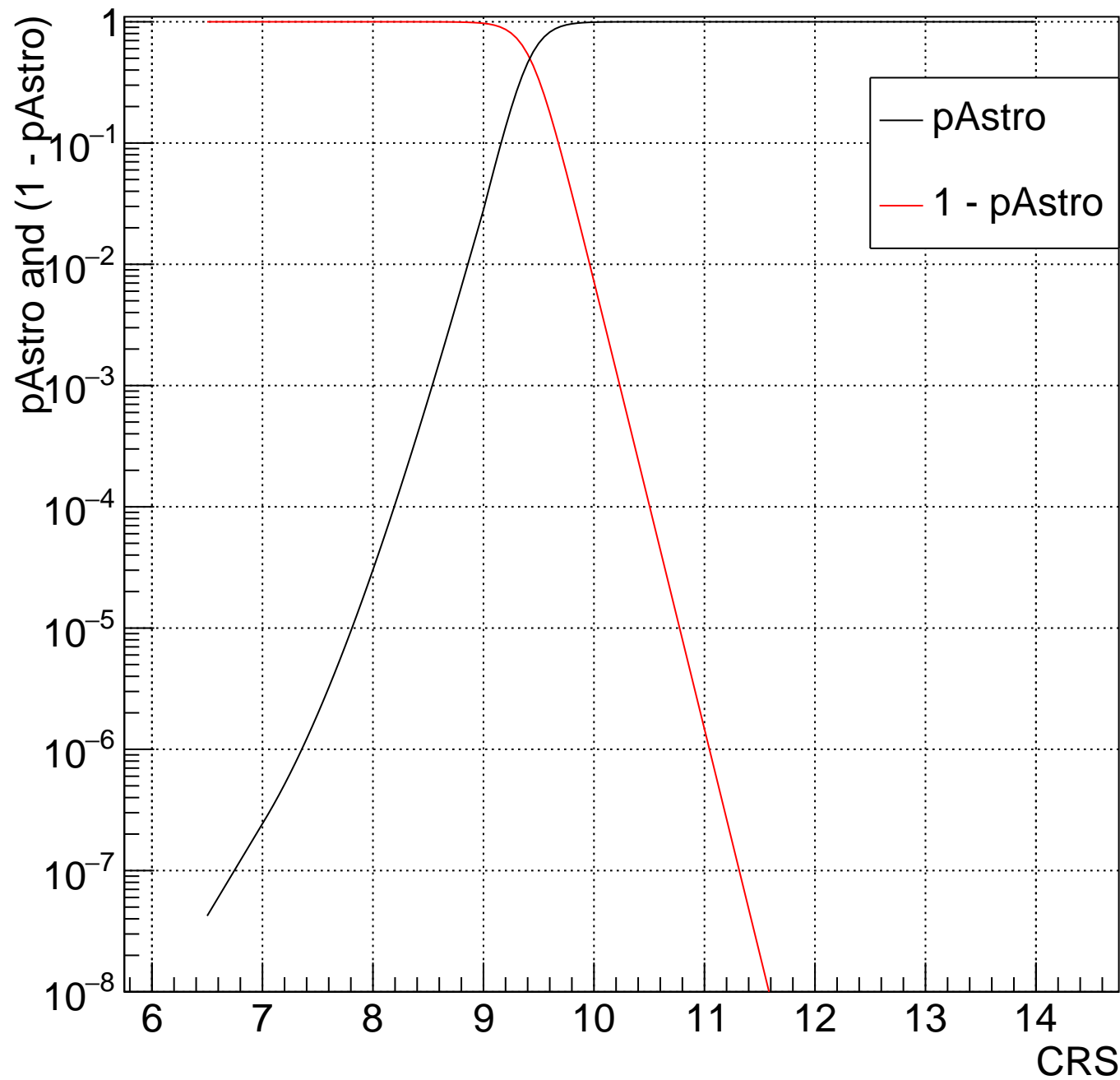
HL Bin:93  $1.217 < m_{\text{Chirp}} < 1.277$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



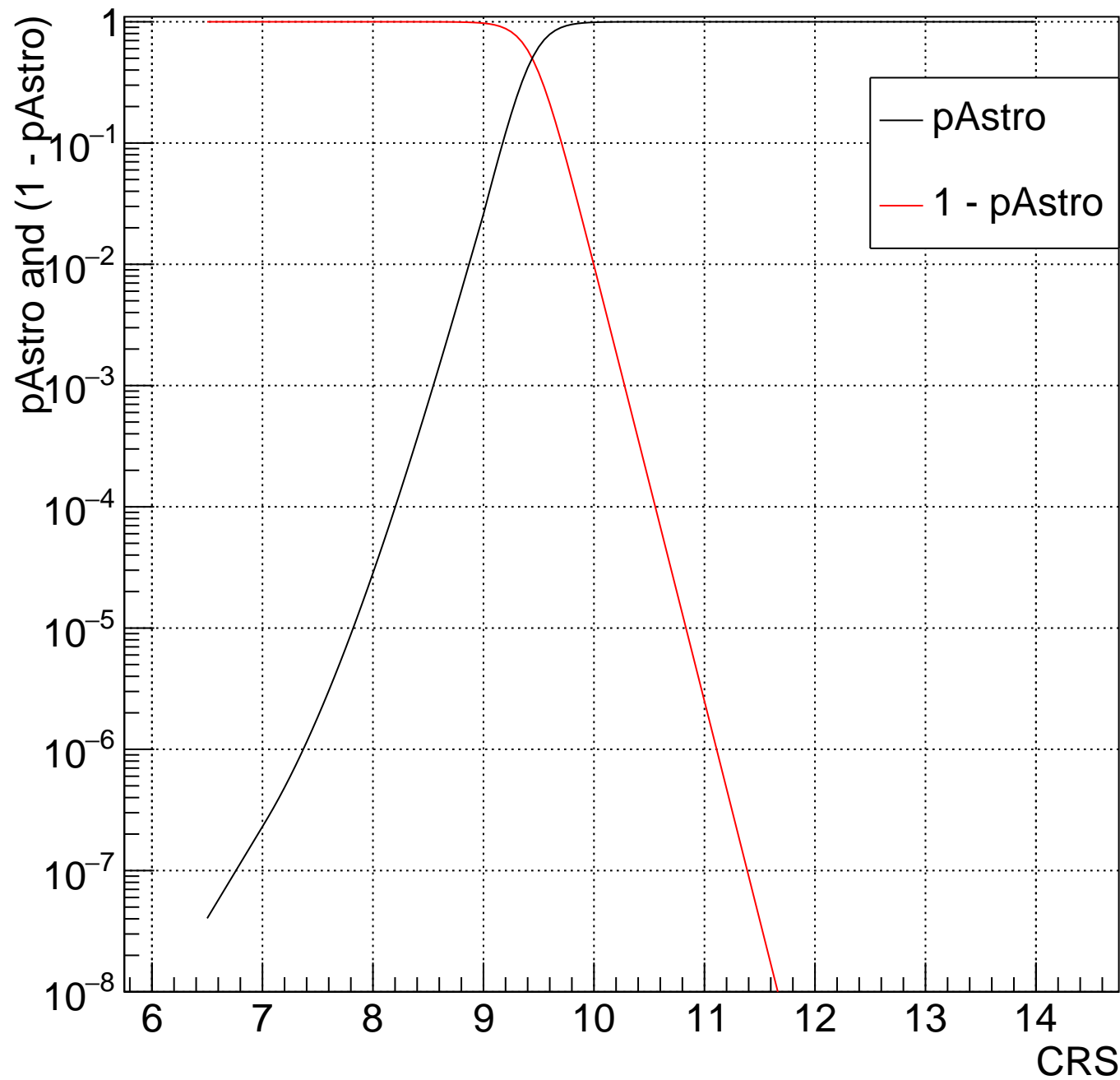
HL Bin:94  $1.277 < m_{\text{Chirp}} < 1.341$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



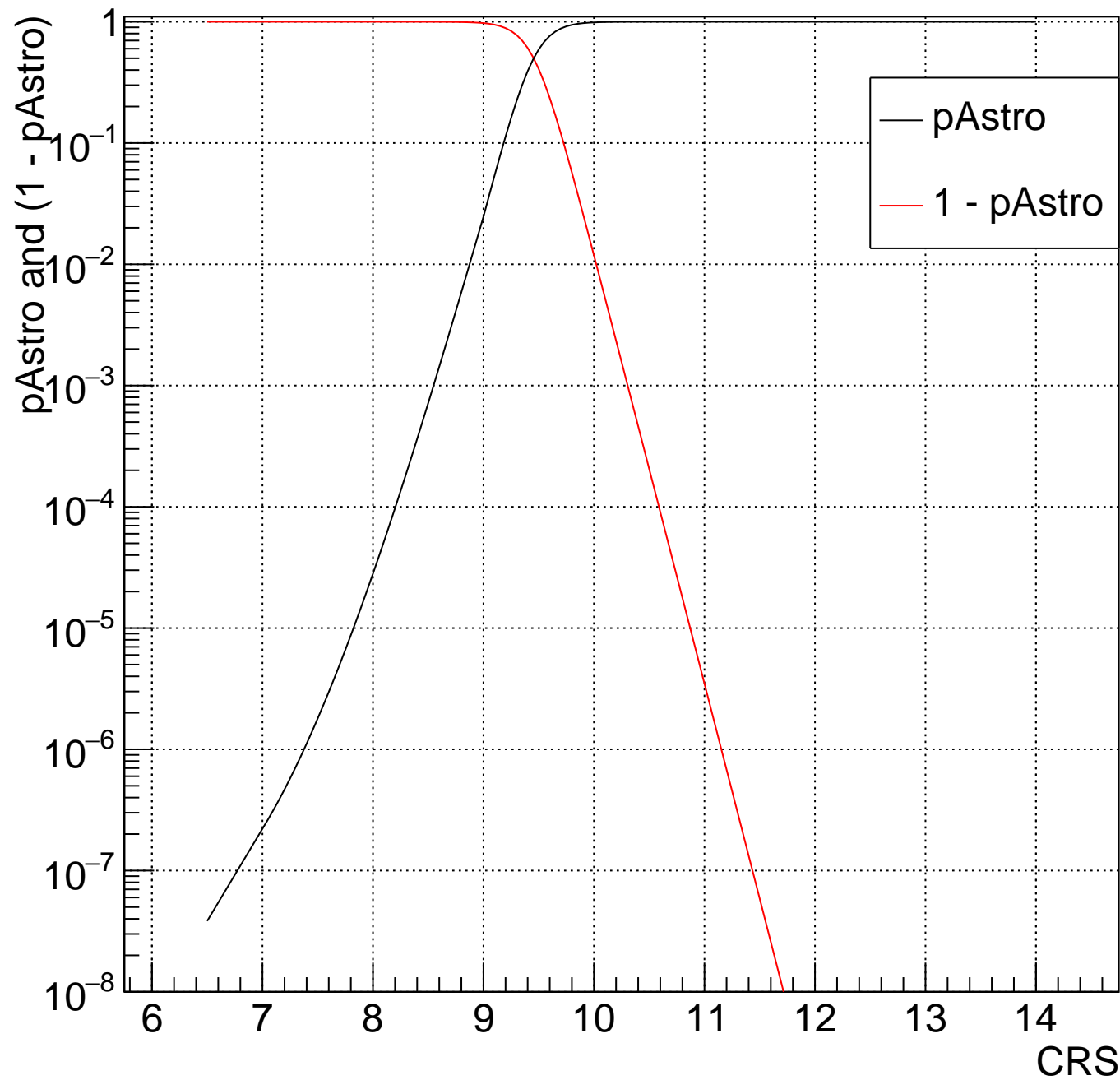
HL Bin:95  $1.341 < m_{\text{Chirp}} < 1.408$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



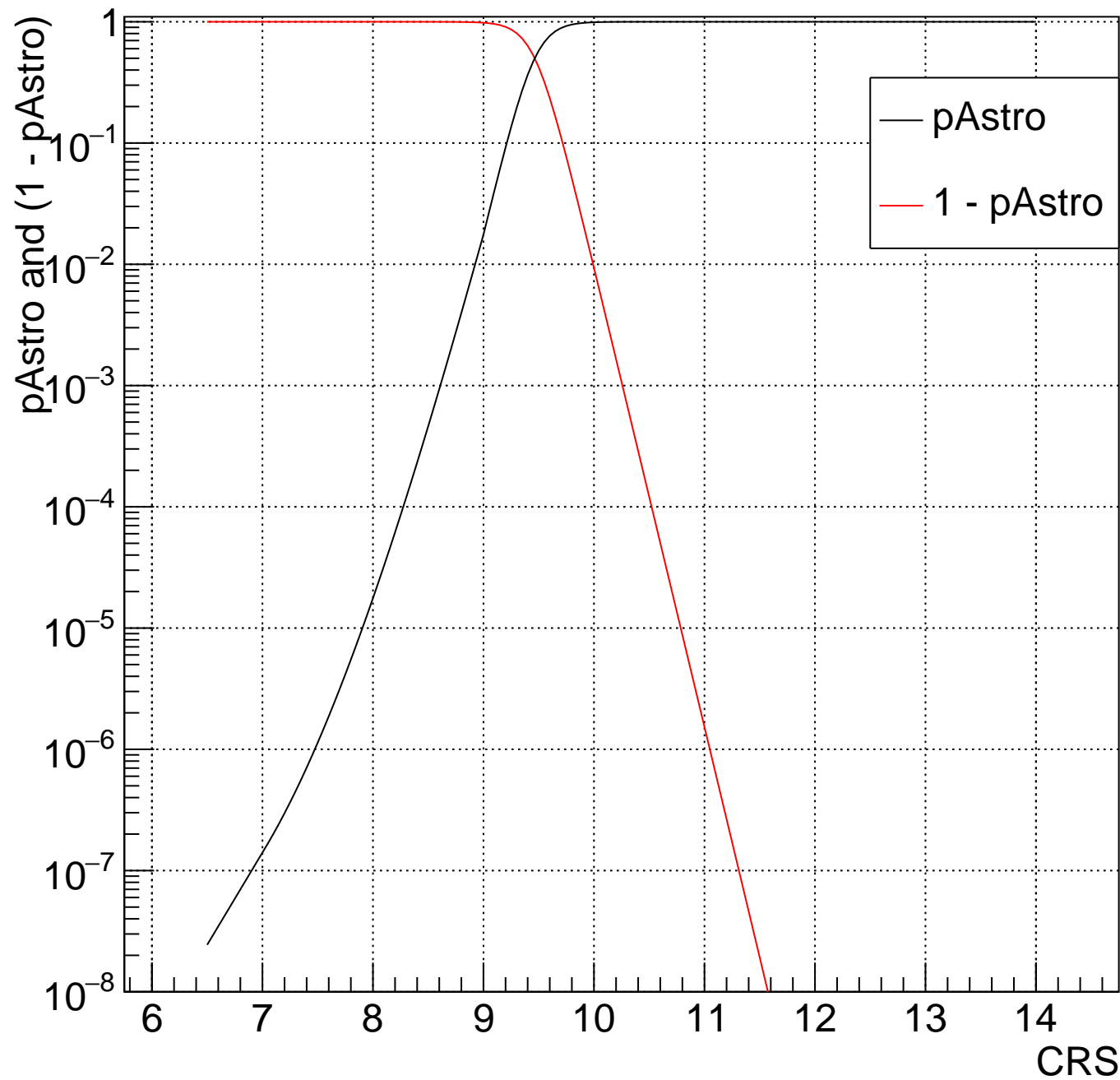
HL Bin:96  $1.408 < m_{\text{Chirp}} < 1.478$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



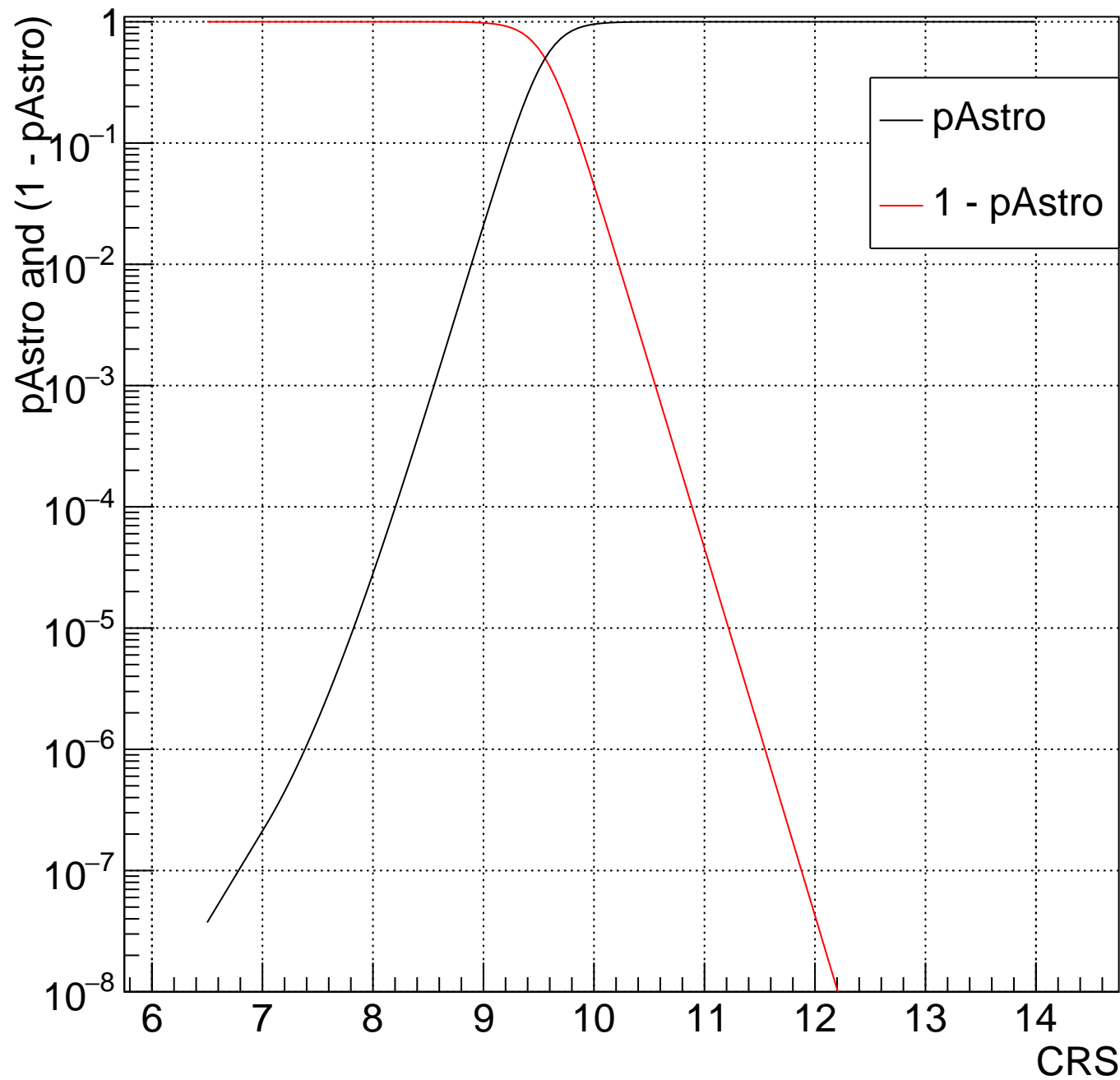
HL Bin:97  $1.478 < m_{\text{Chirp}} < 1.551$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



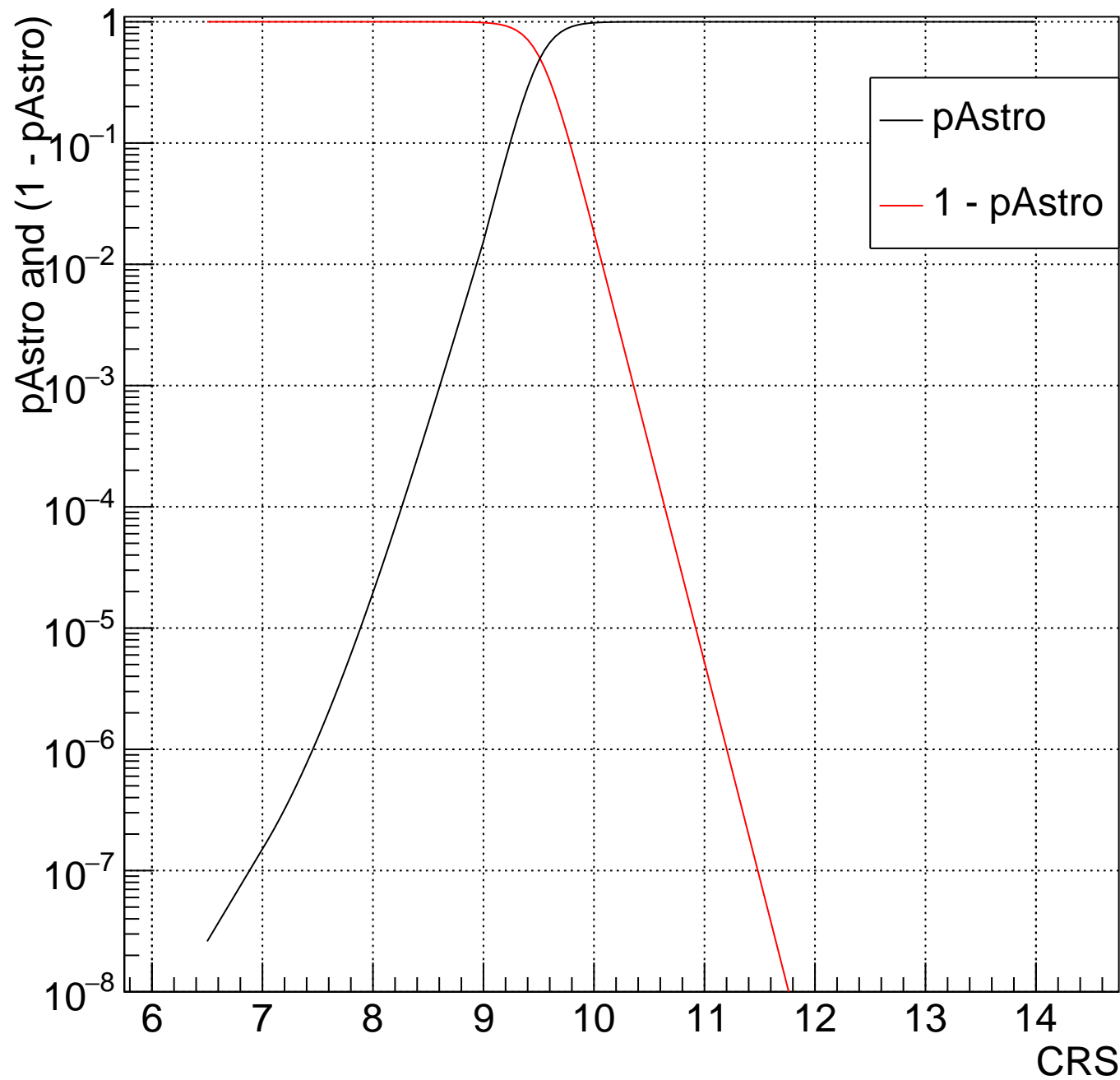
HL Bin:98  $1.551 < m_{\text{Chirp}} < 1.629$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



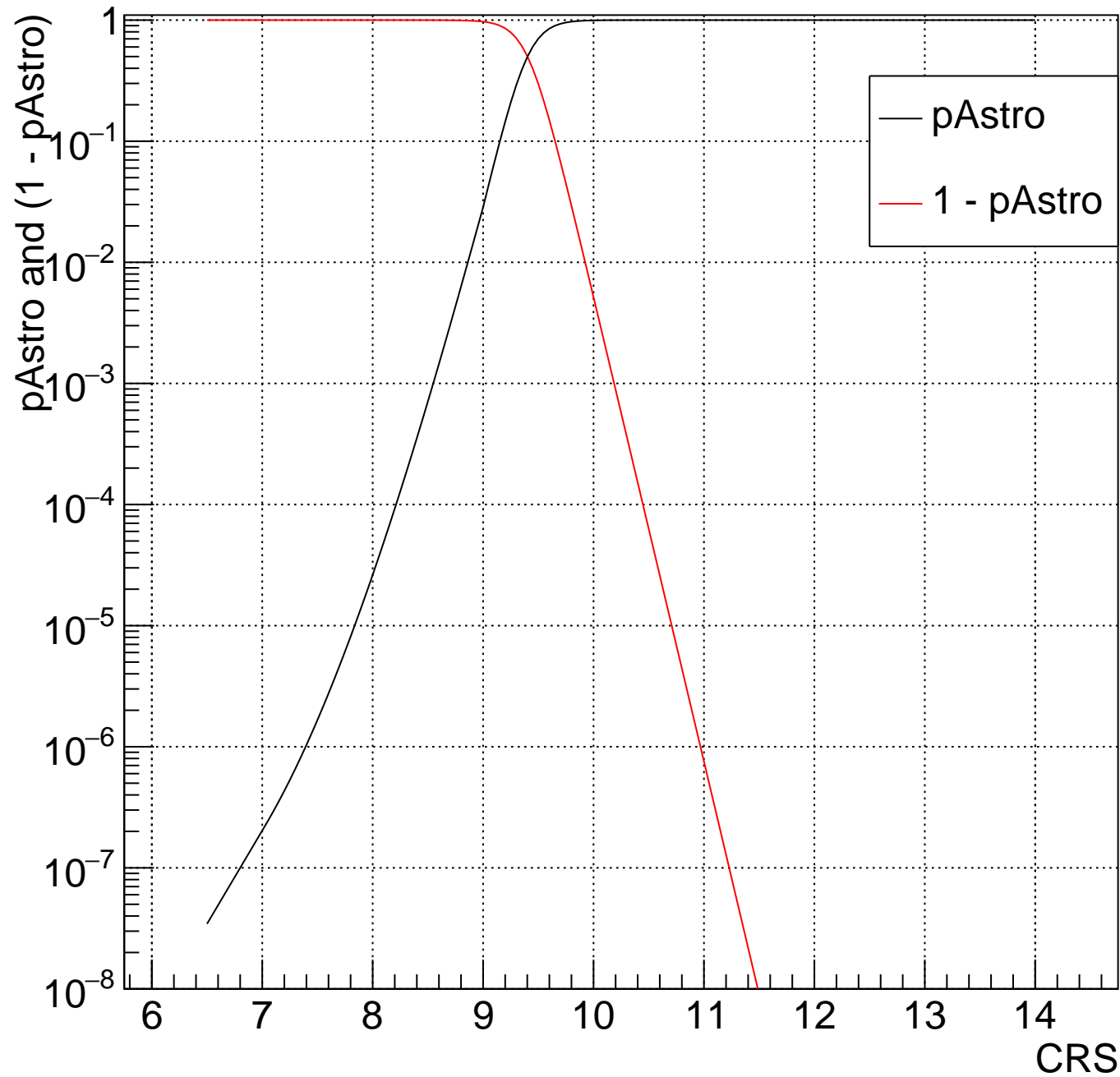
HL Bin:99  $1.629 < m_{\text{Chirp}} < 1.71$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



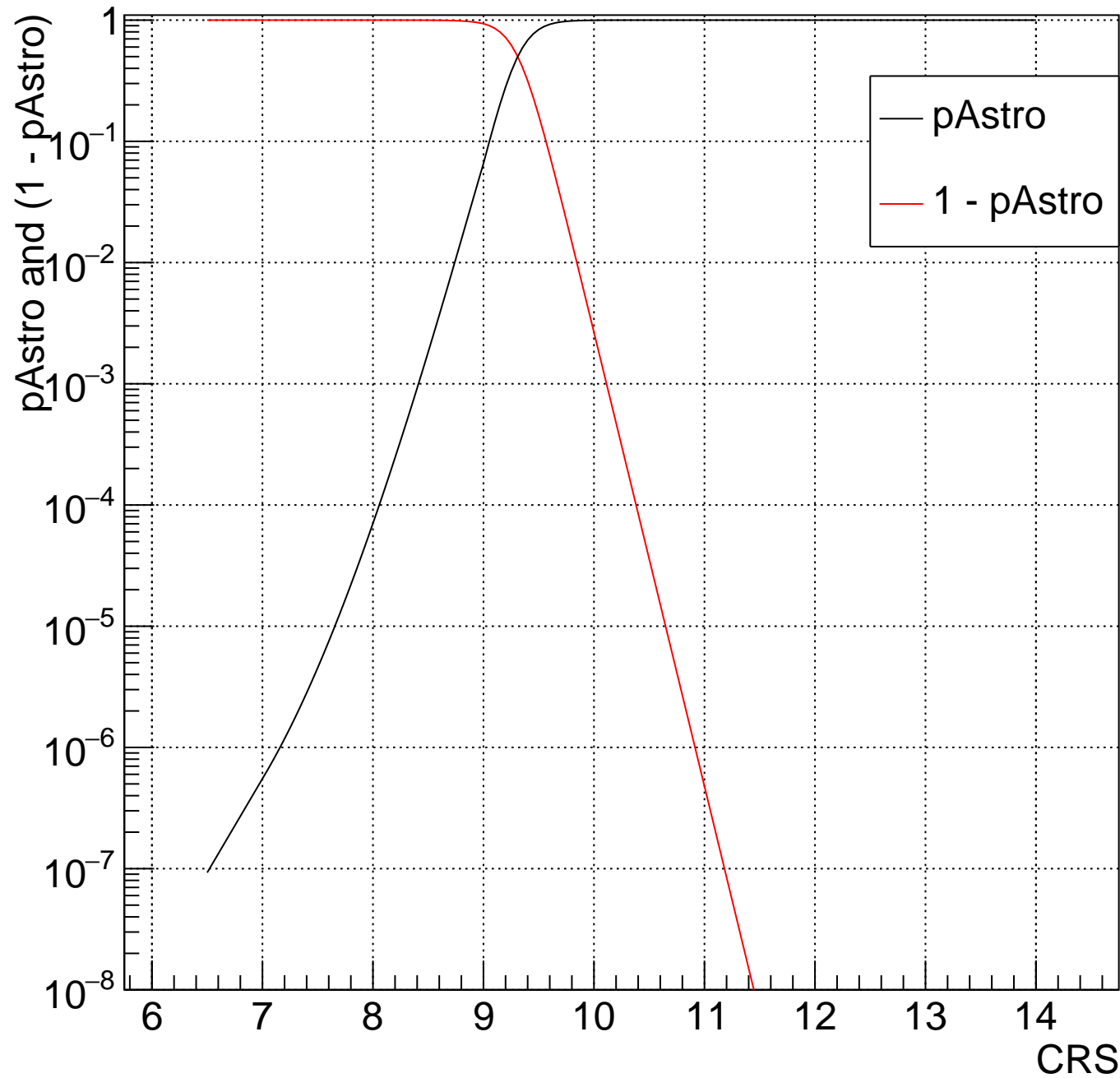
HL Bin:100  $1.71 < m_{\text{Chirp}} < 1.795$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



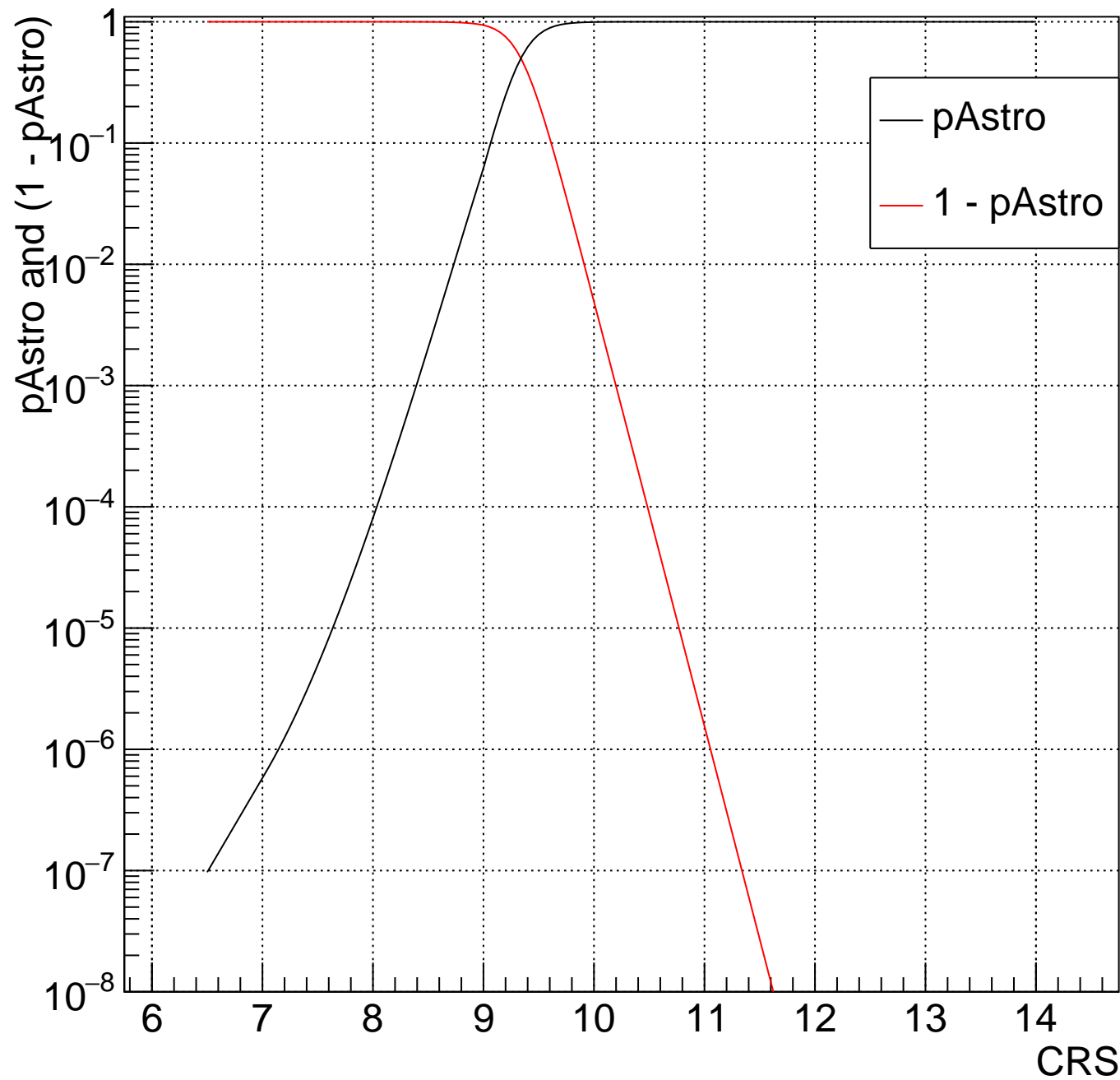
HL Bin:101  $1.795 < m_{\text{Chirp}} < 1.884$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



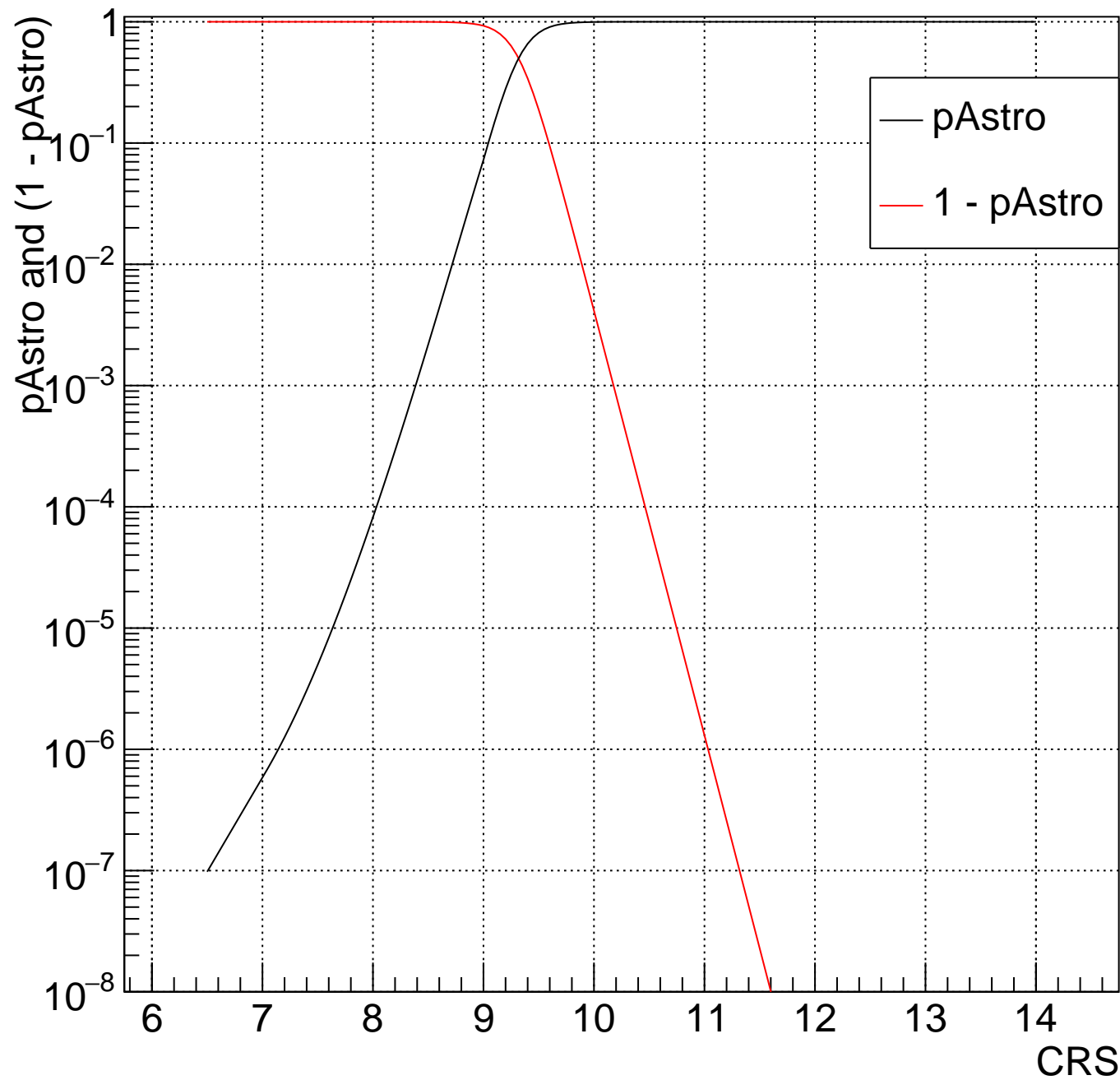
HL Bin:102  $1.884 < m_{\text{Chirp}} < 1.978$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



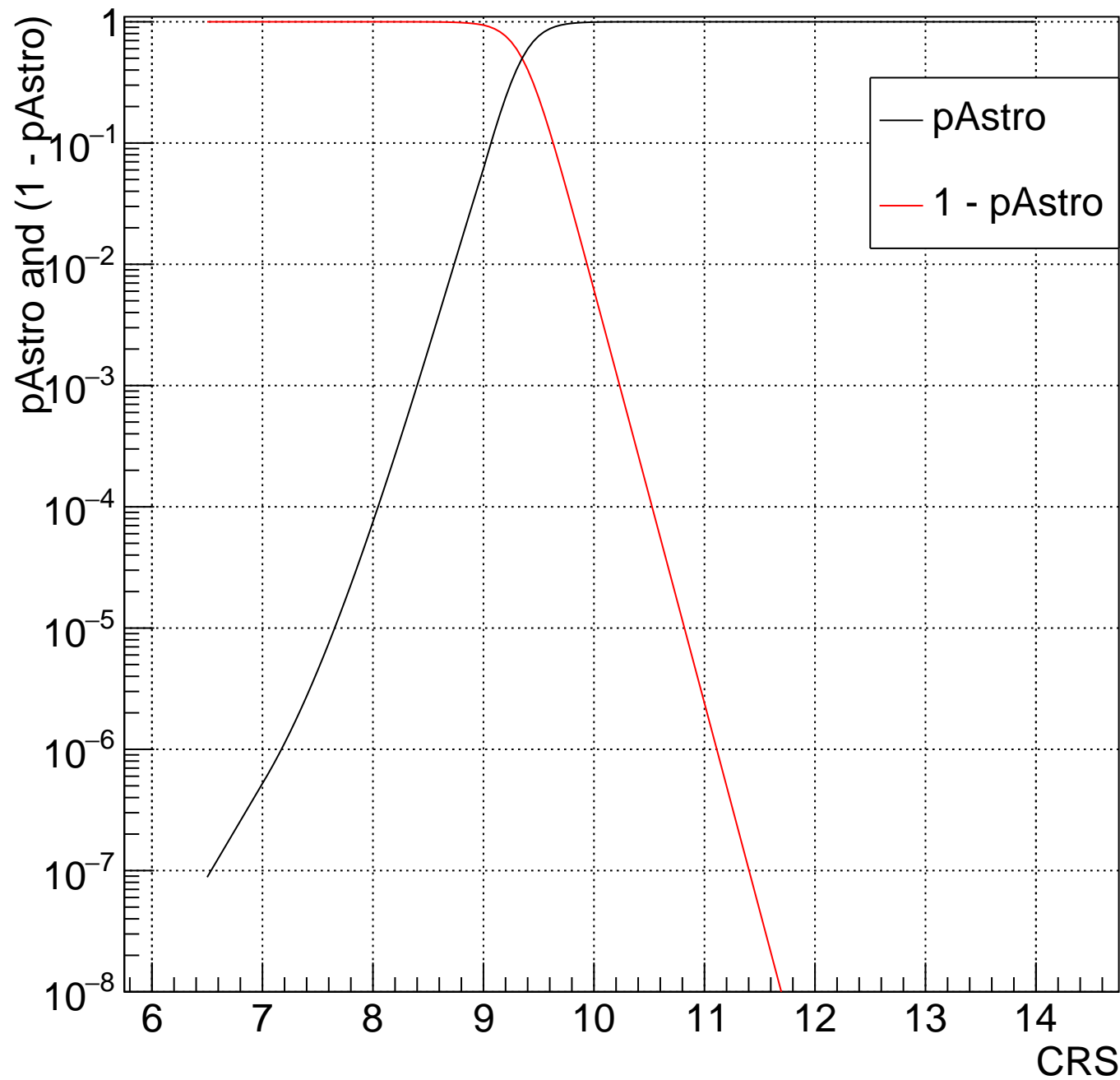
HL Bin:103  $1.978 < m_{\text{Chirp}} < 2.077$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



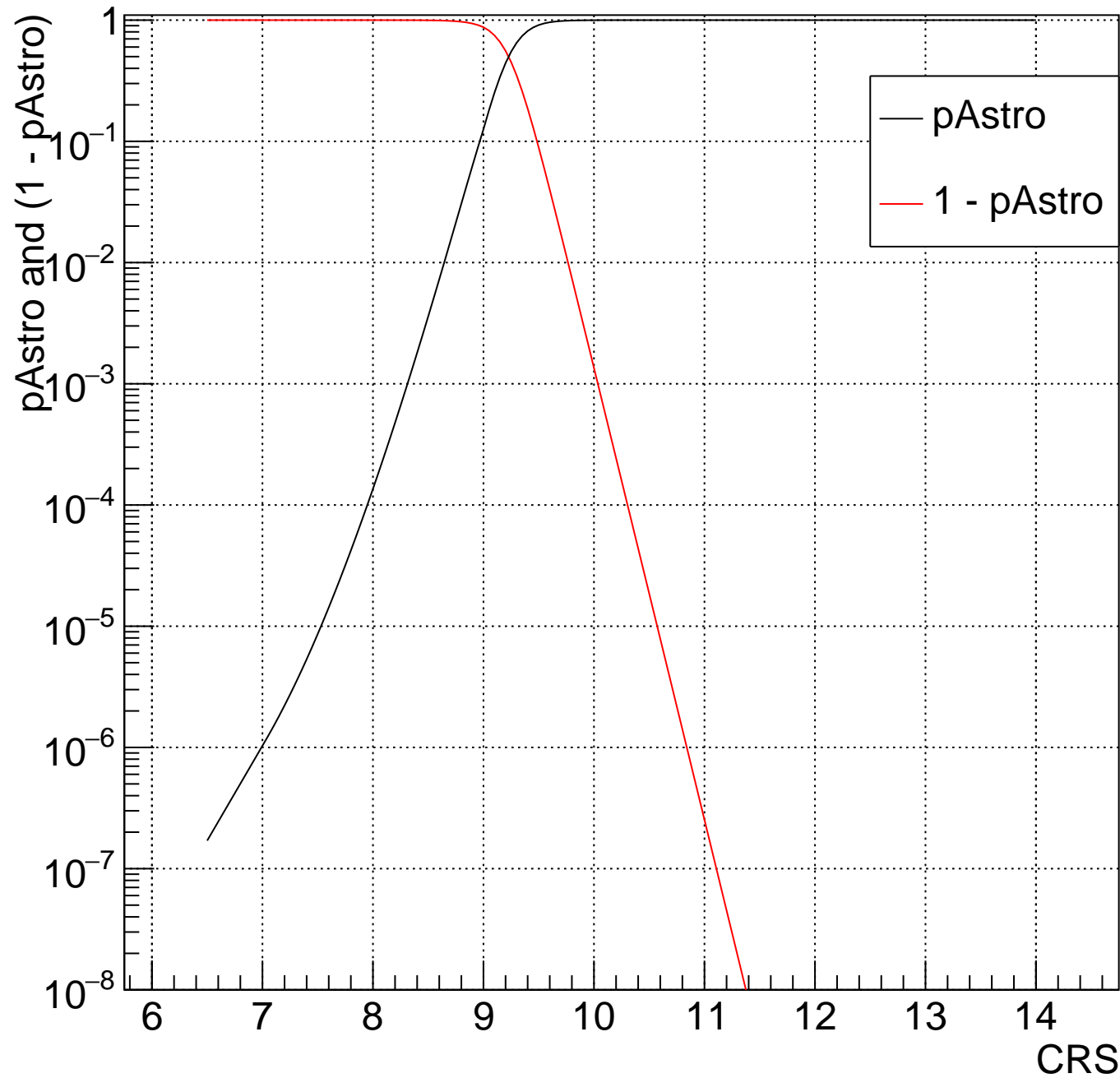
HL Bin:104  $2.077 < m_{\text{Chirp}} < 2.18$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



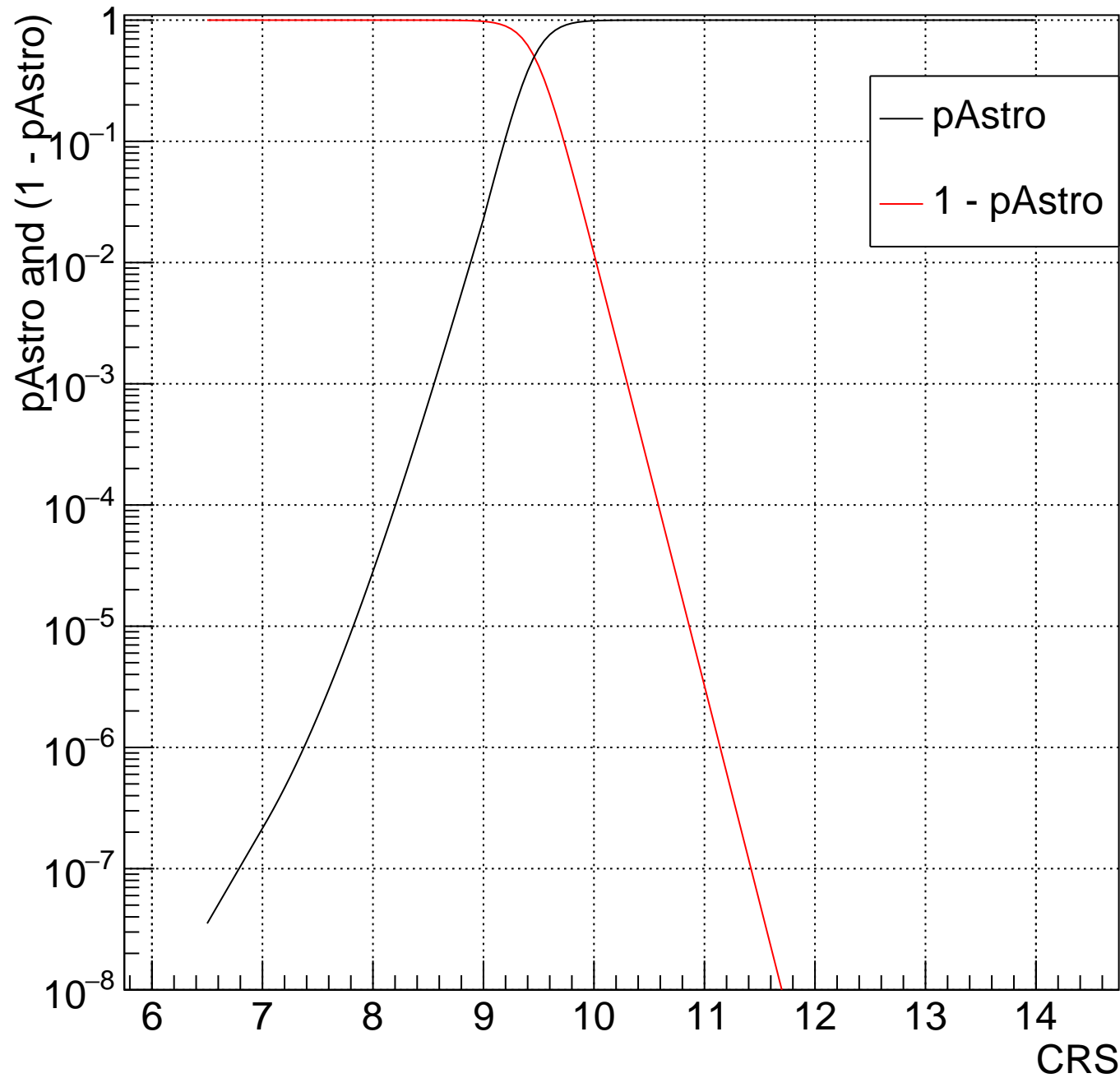
HL Bin:105  $2.18 < m_{\text{Chirp}} < 2.289$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



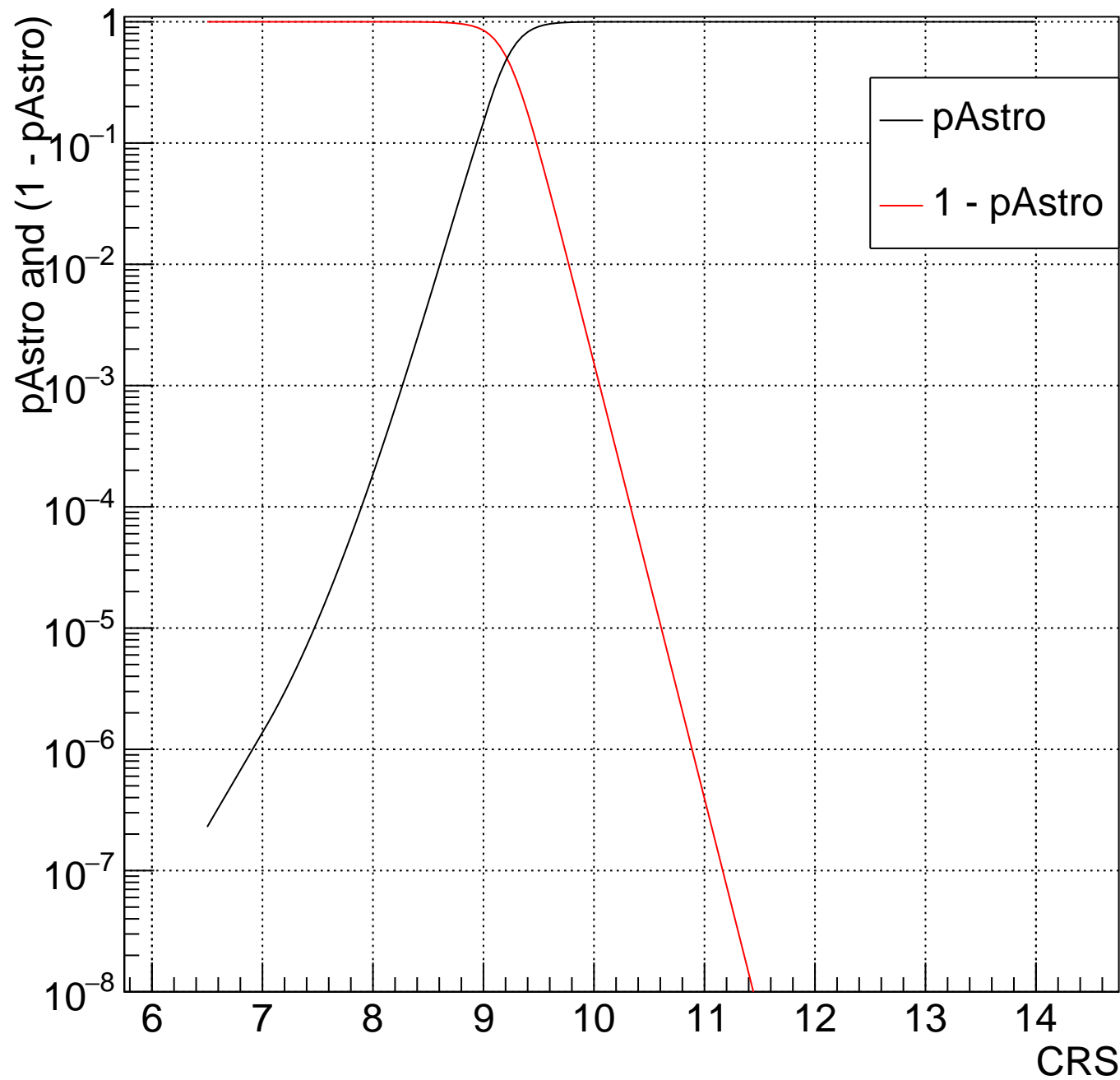
HL Bin:106  $2.289 < m_{\text{Chirp}} < 2.403$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



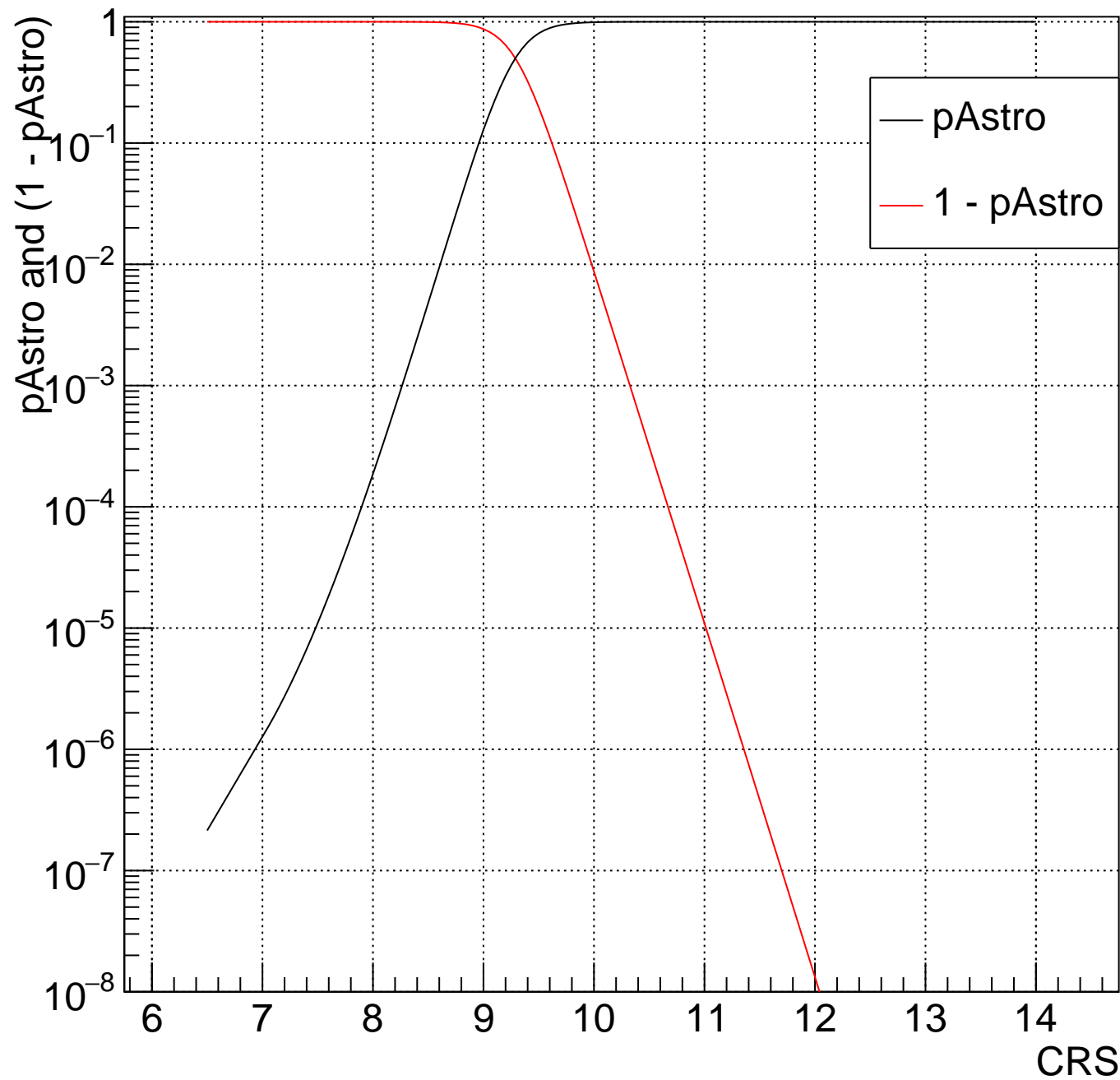
HL Bin:107  $2.403 < m_{\text{Chirp}} < 2.522$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



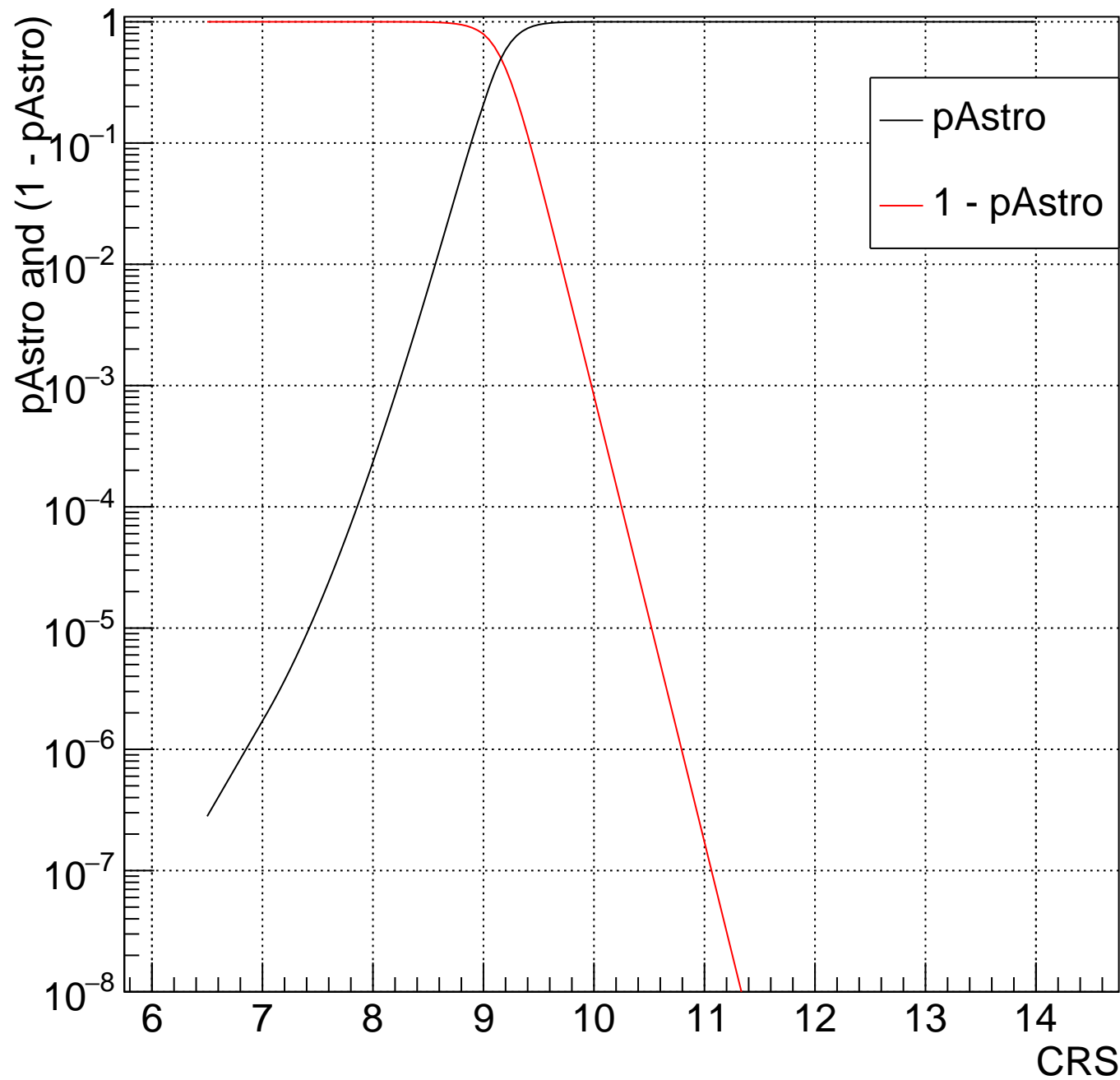
HL Bin:108  $2.522 < m_{\text{Chirp}} < 2.648$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



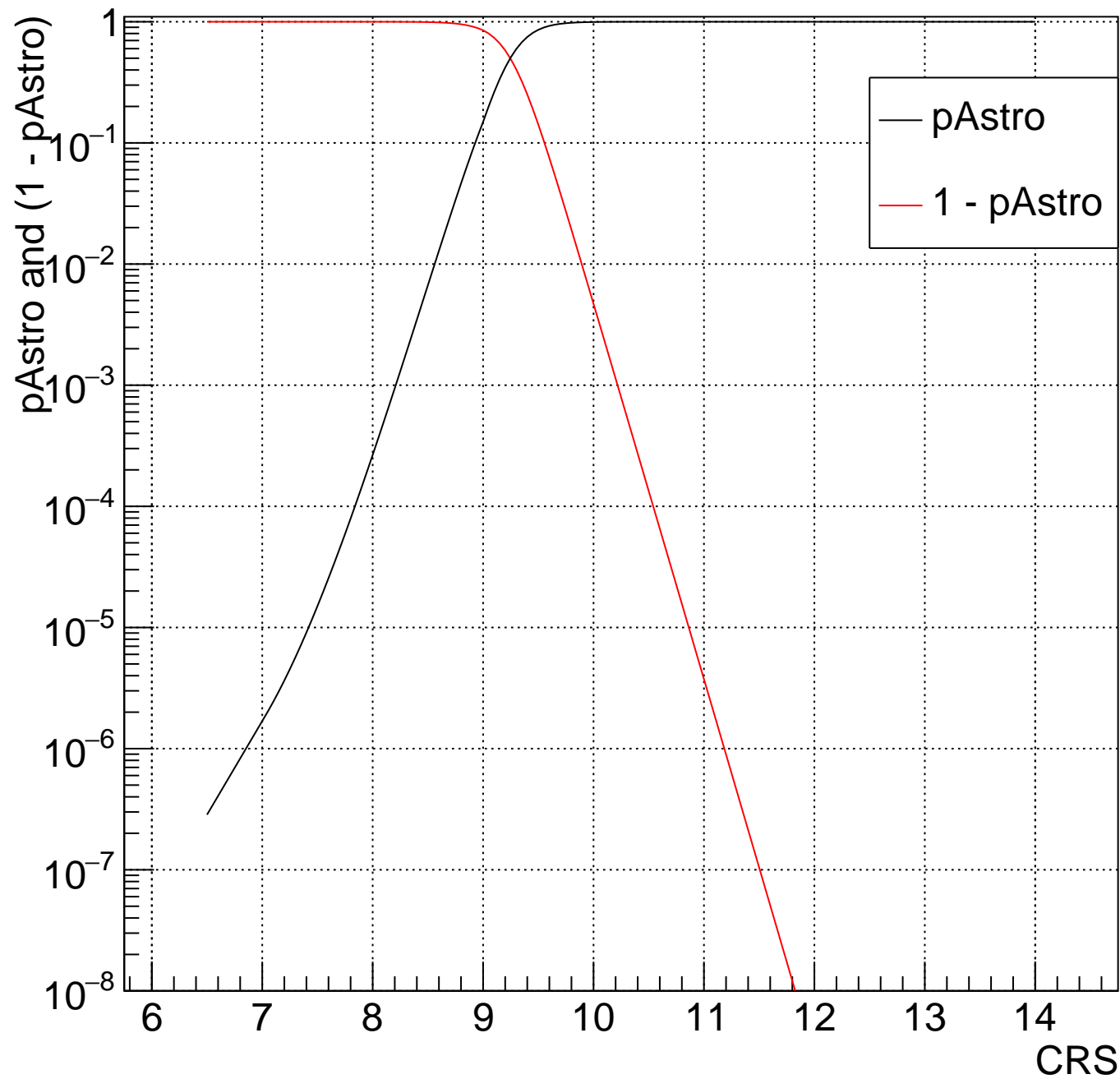
HL Bin:109  $2.648 < m_{\text{Chirp}} < 2.78$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



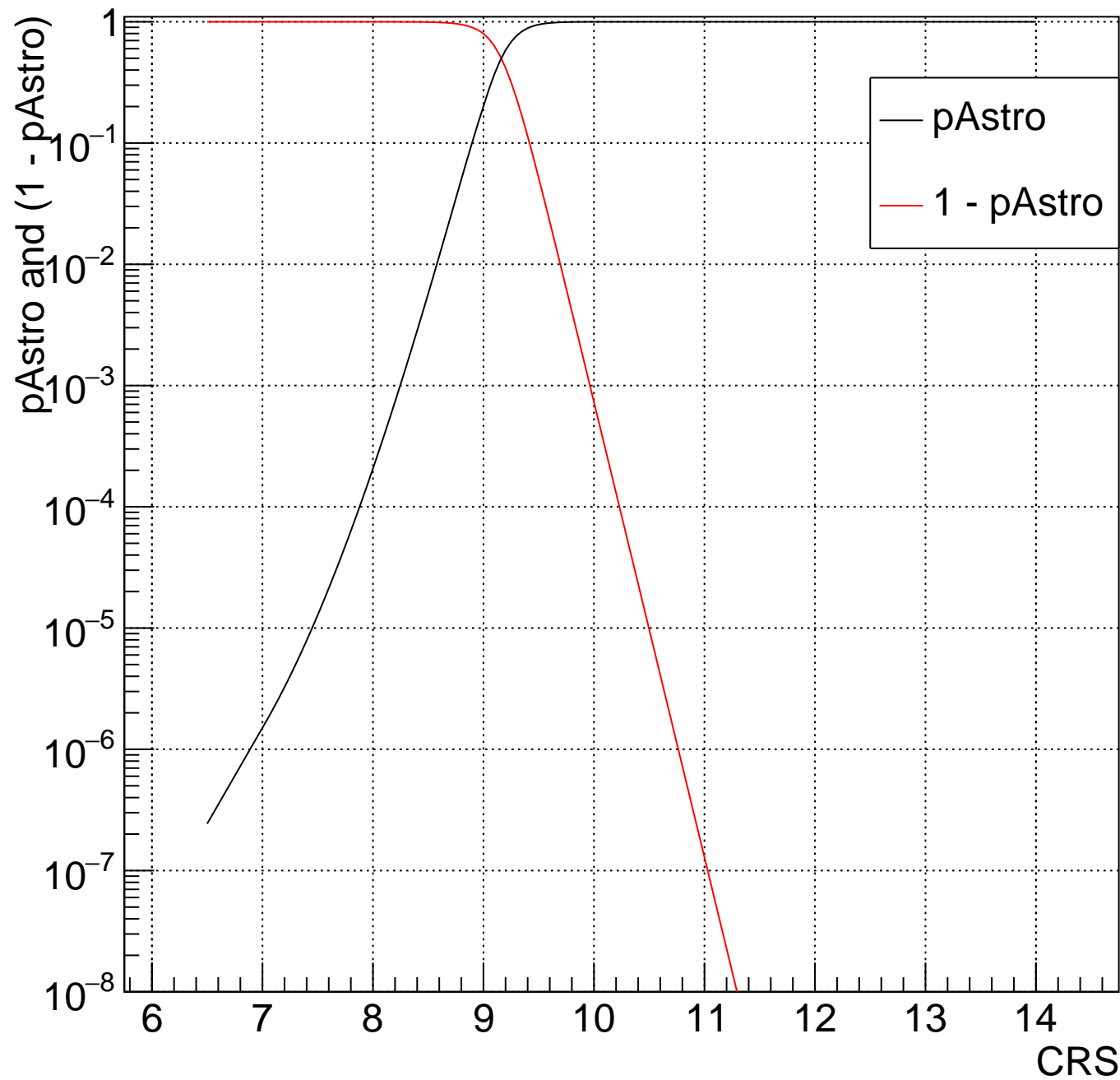
HL Bin:110  $2.78 < m_{\text{Chirp}} < 2.918$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



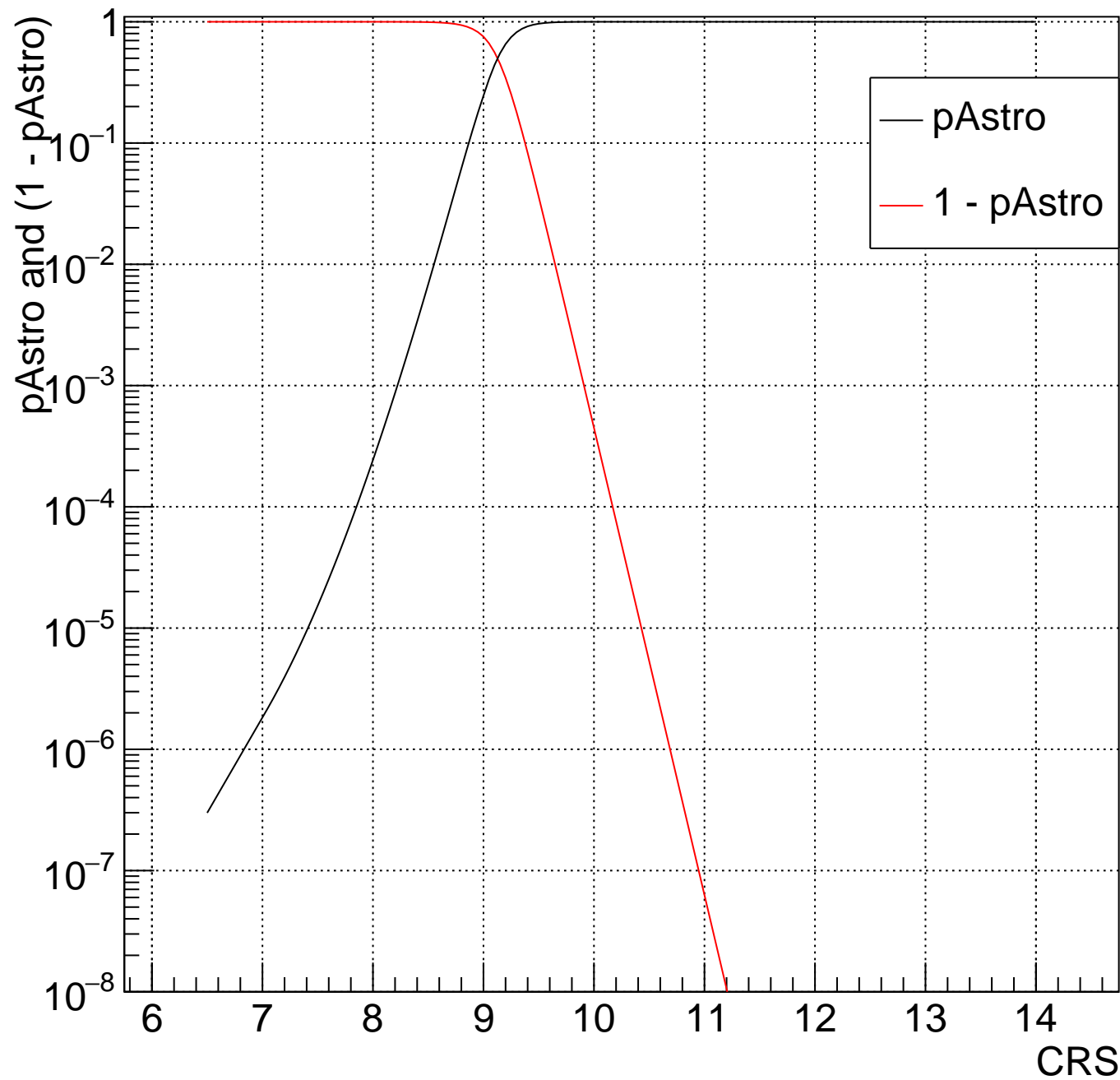
HL Bin:111  $2.918 < m_{\text{Chirp}} < 3.064$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



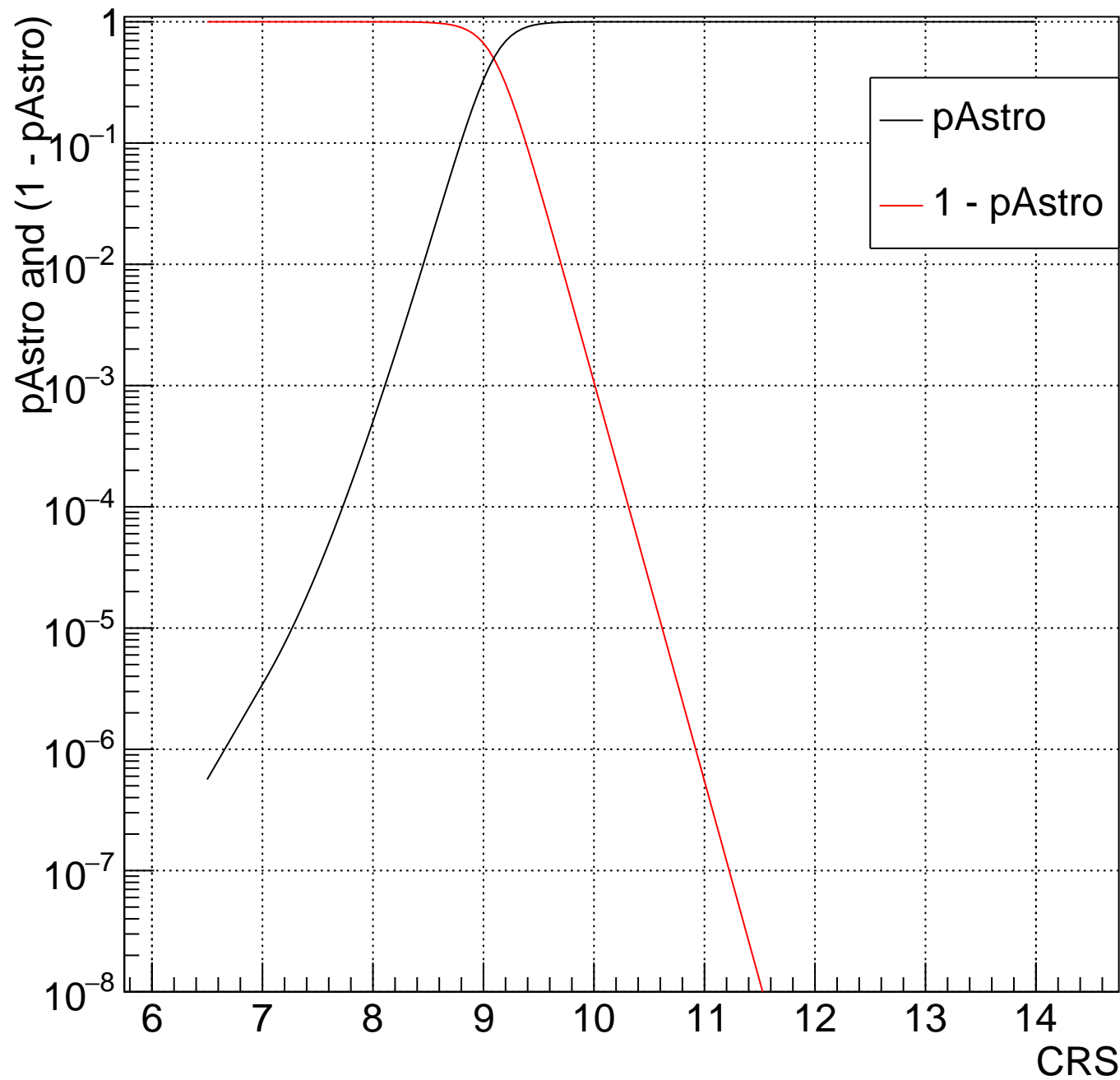
HL Bin:112  $3.064 < m_{\text{Chirp}} < 3.216$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



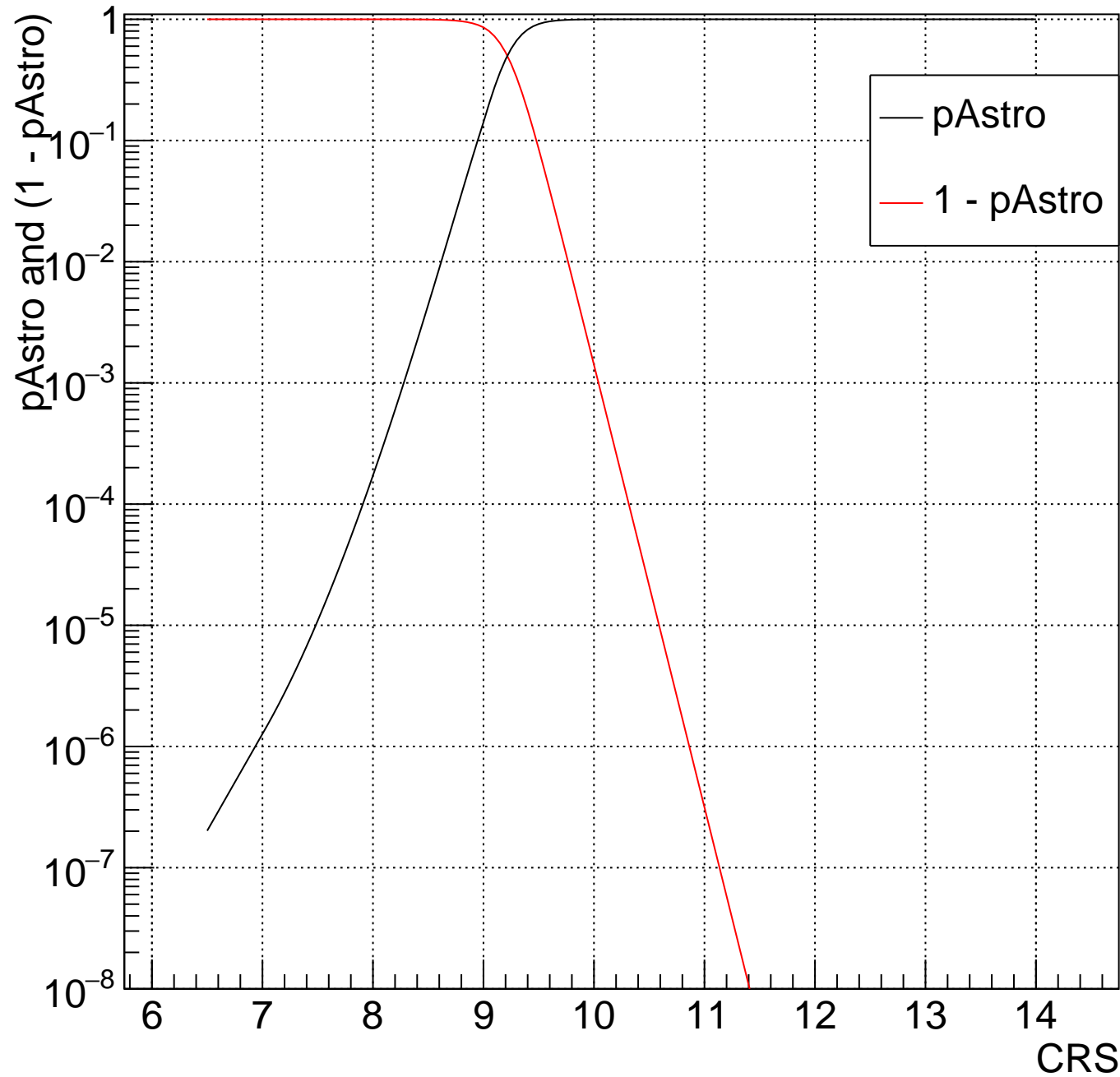
HL Bin:113  $3.216 < m_{\text{Chirp}} < 3.376$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



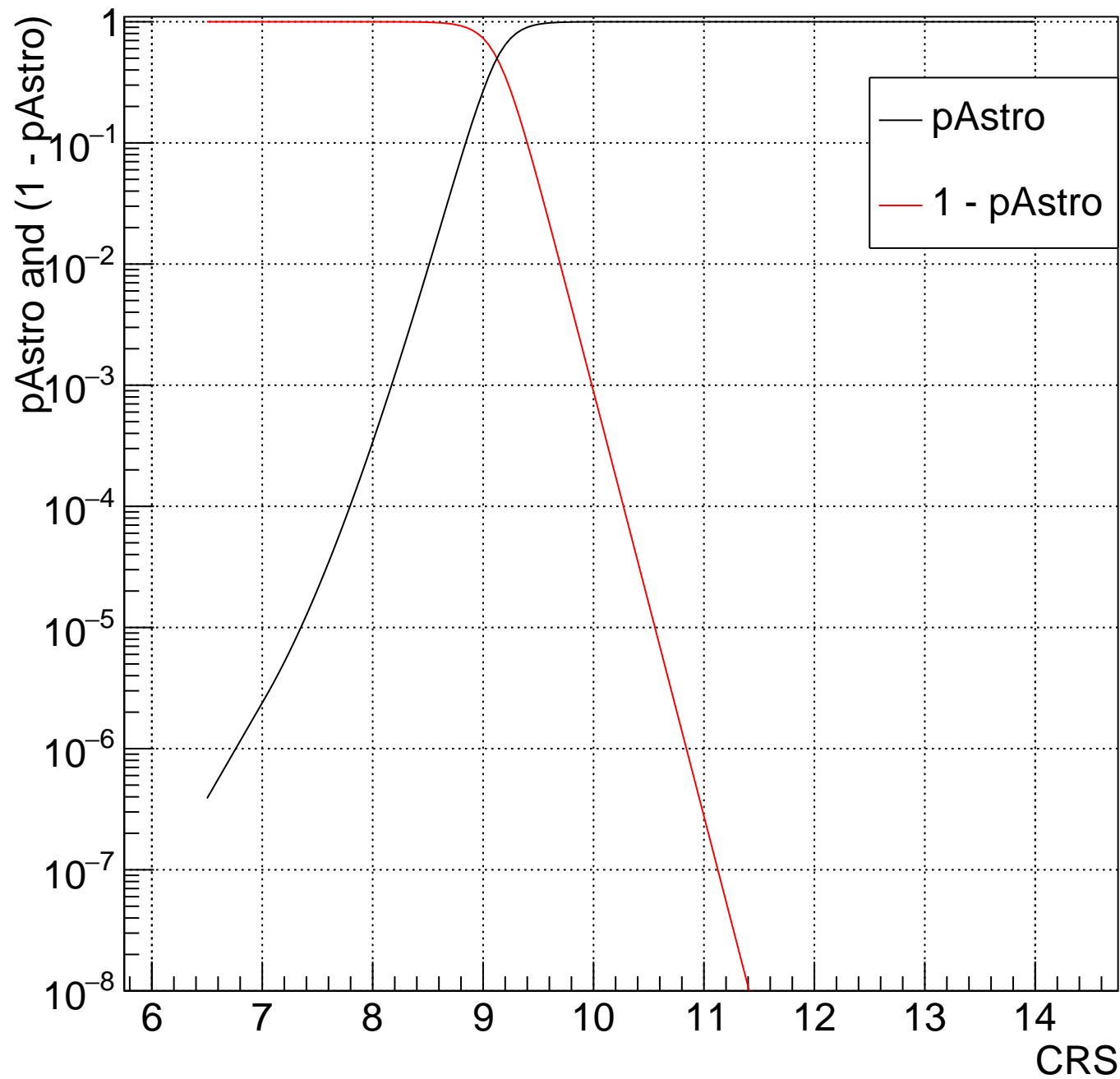
HL Bin:114  $3.376 < m_{\text{Chirp}} < 3.545$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



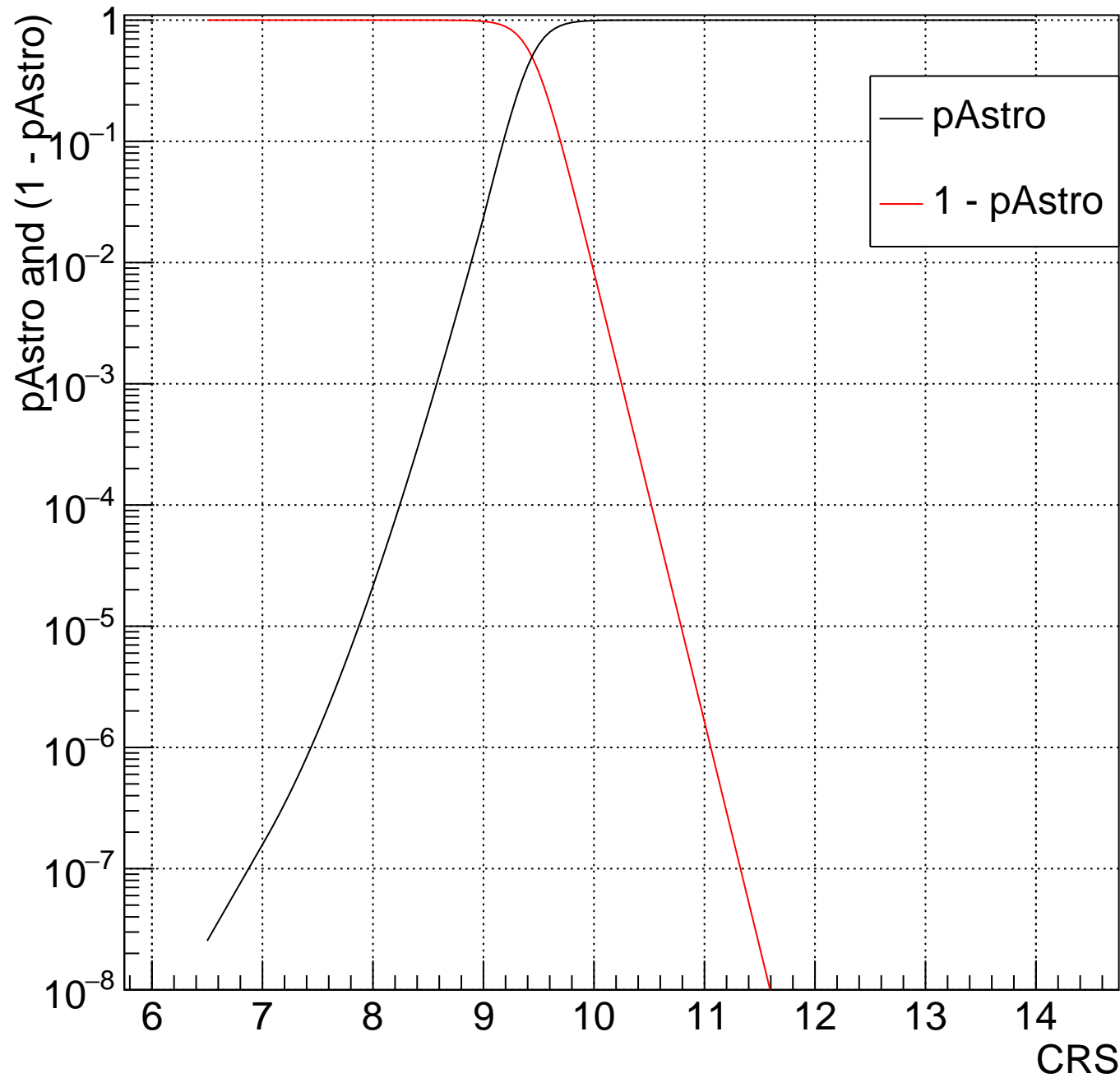
HL Bin:115  $3.545 < m_{\text{Chirp}} < 3.721$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



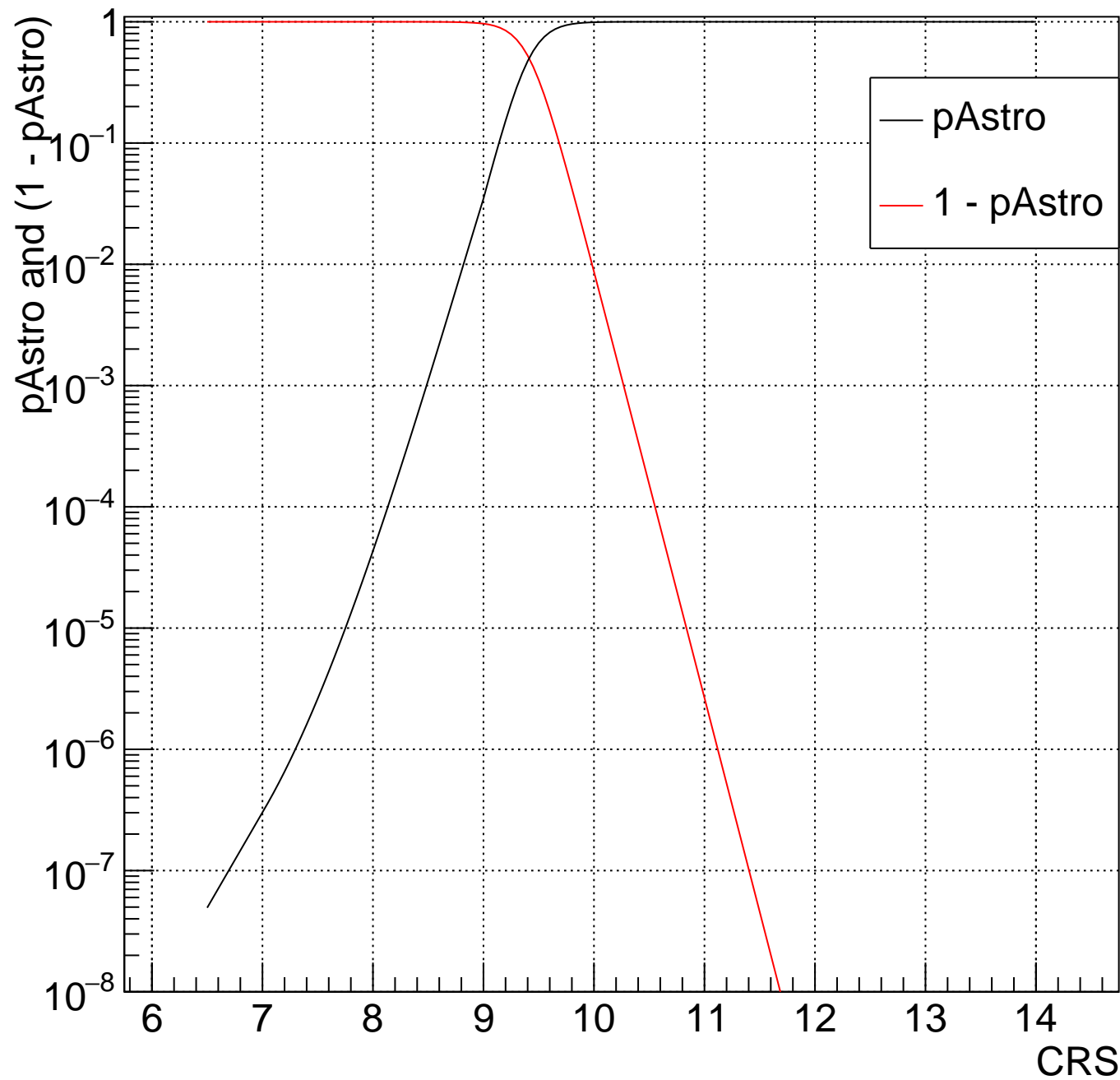
HL Bin:116  $3.721 < m_{\text{Chirp}} < 3.907$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



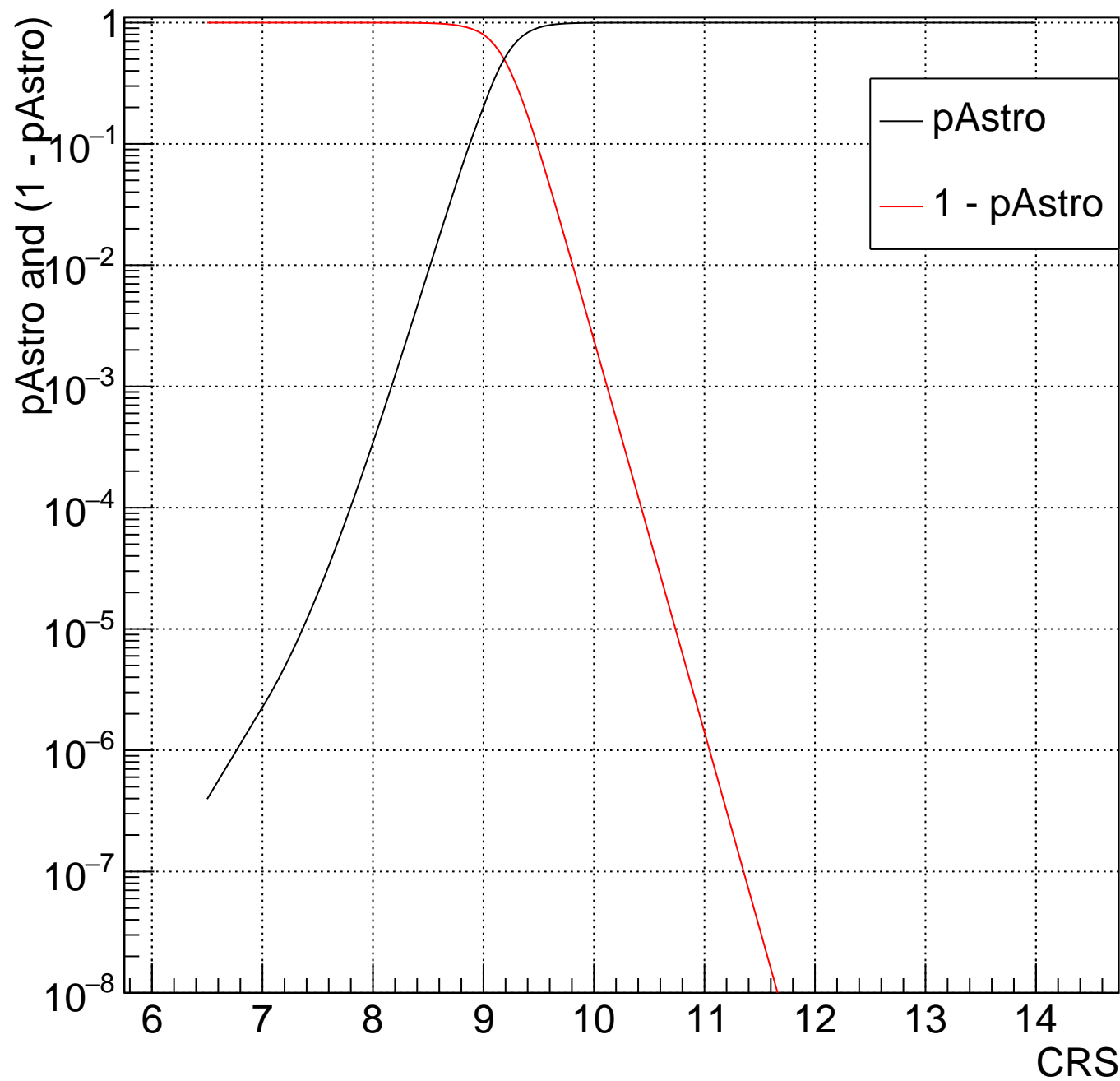
HL Bin:117  $3.907 < m_{\text{Chirp}} < 4.101$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



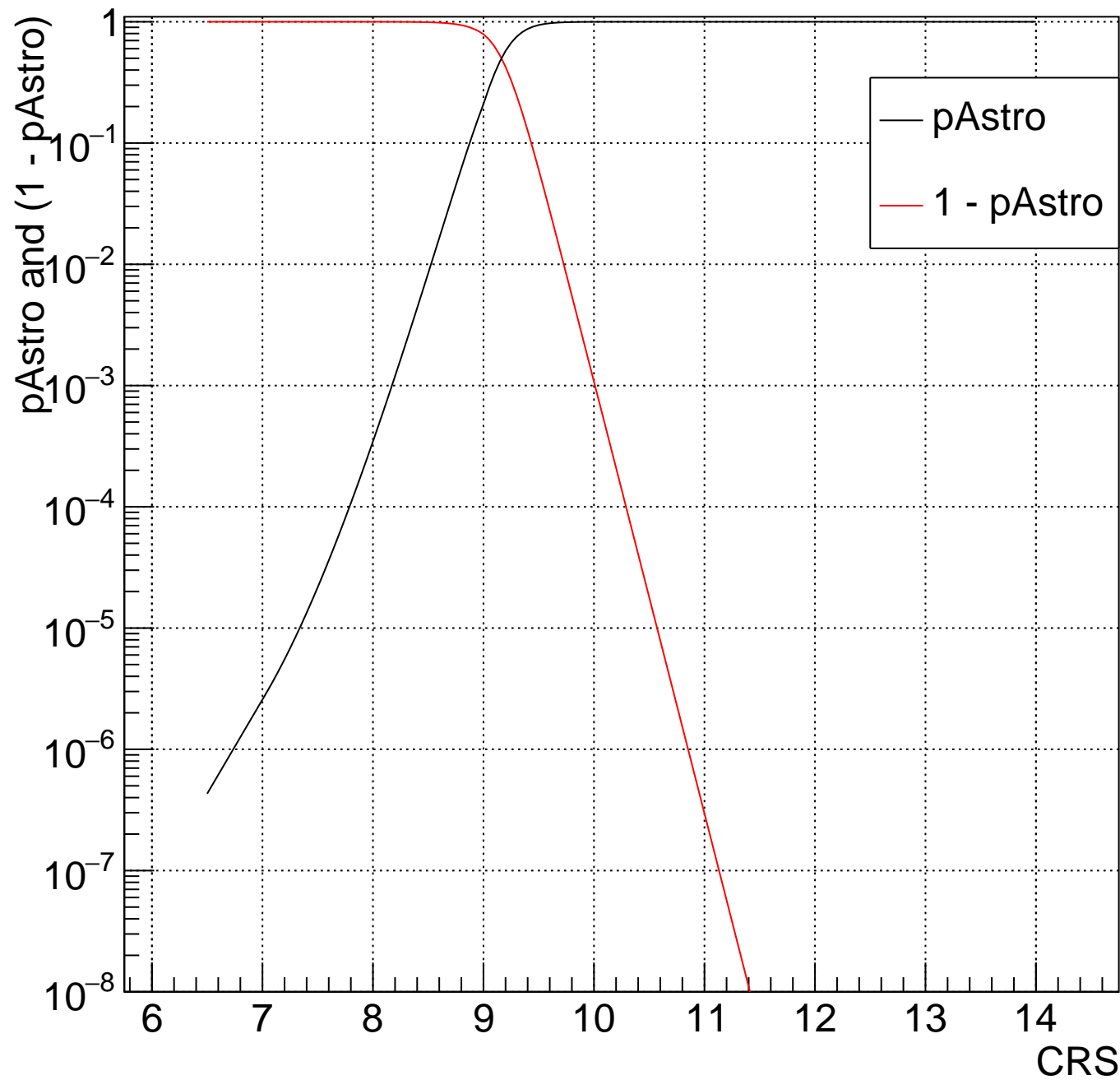
HL Bin:118  $4.101 < m_{\text{Chirp}} < 4.305$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



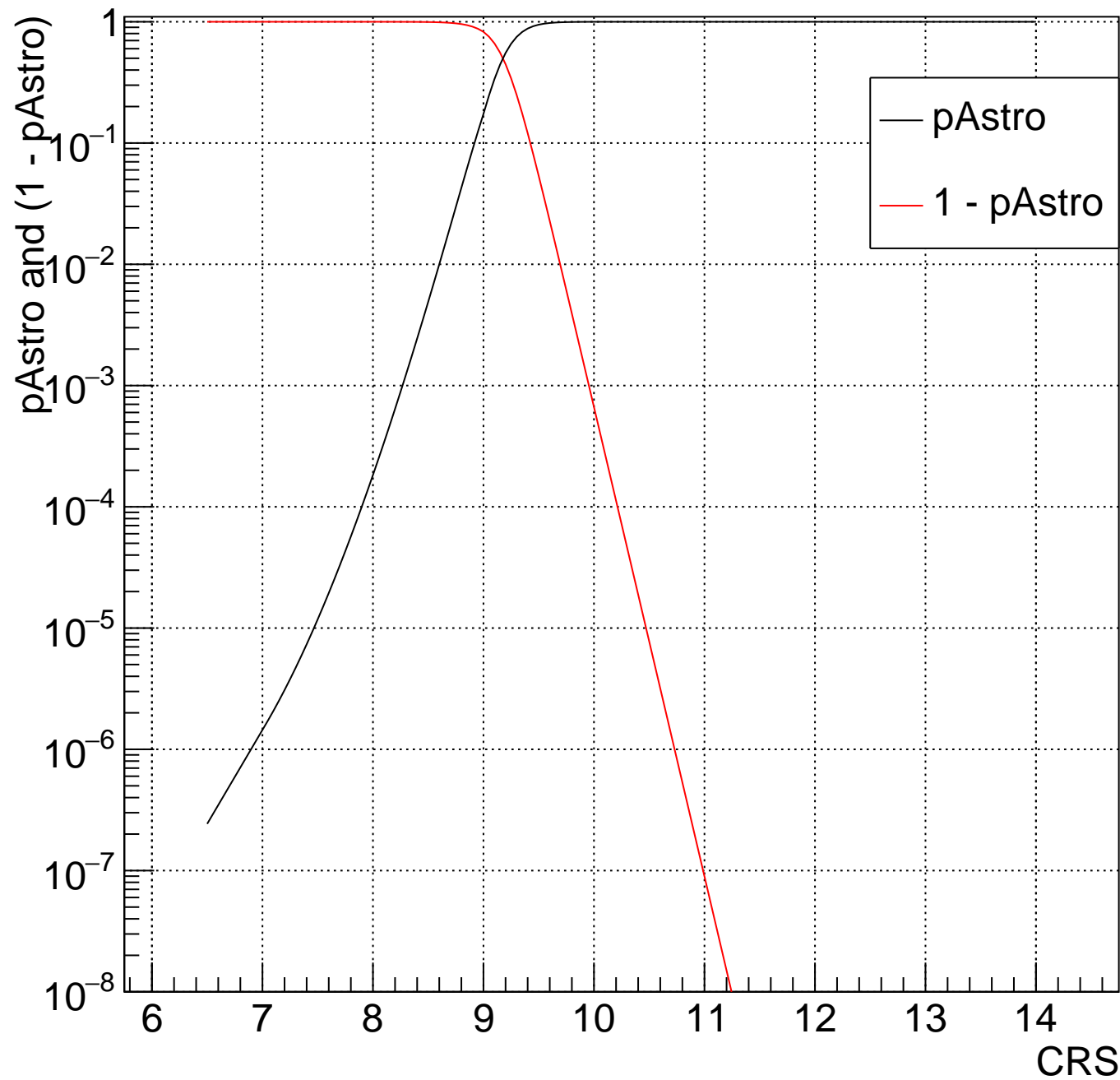
HL Bin:119  $4.305 < m_{\text{Chirp}} < 4.52$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



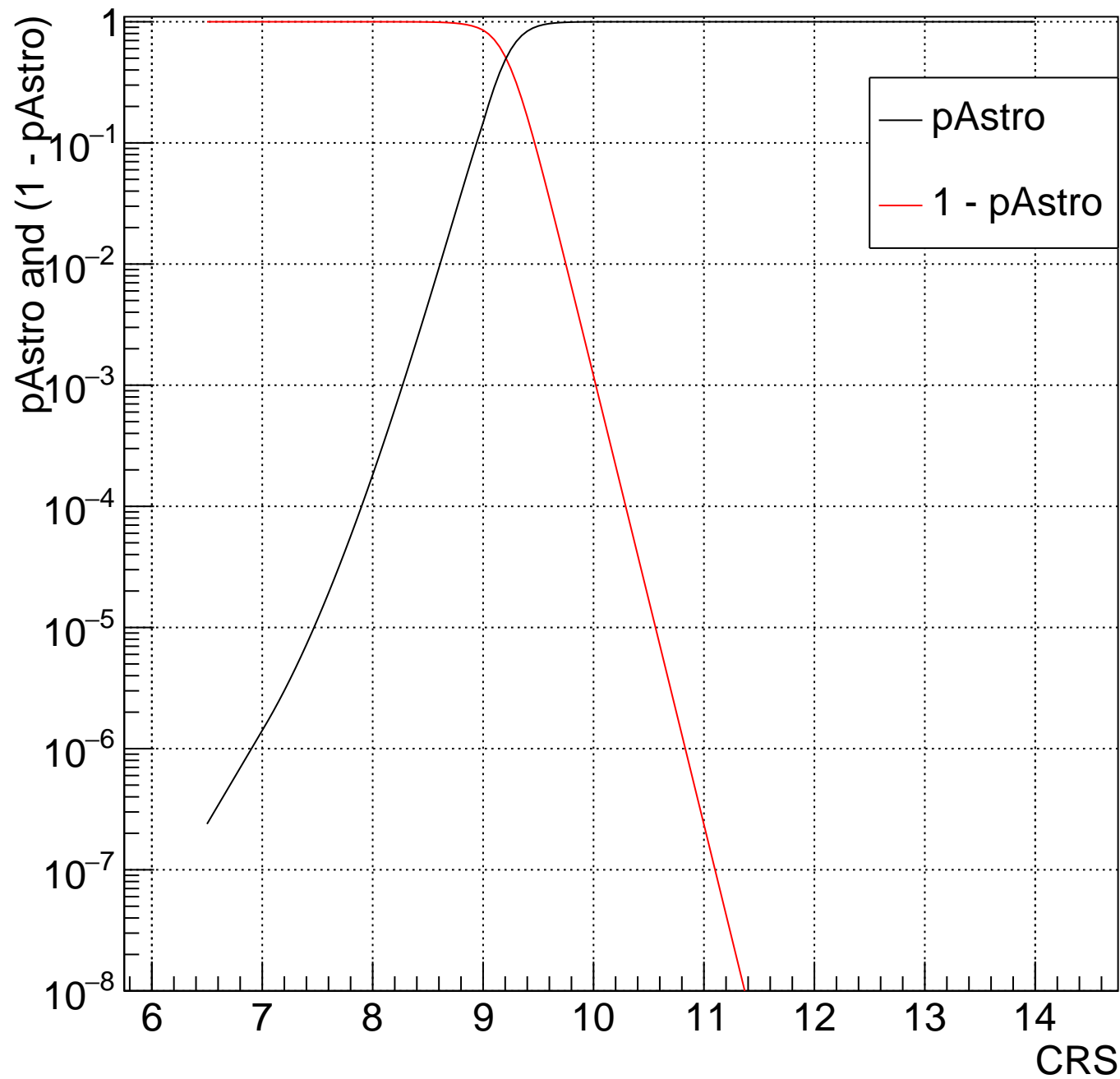
HL Bin:120  $4.52 < m_{\text{Chirp}} < 4.745$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



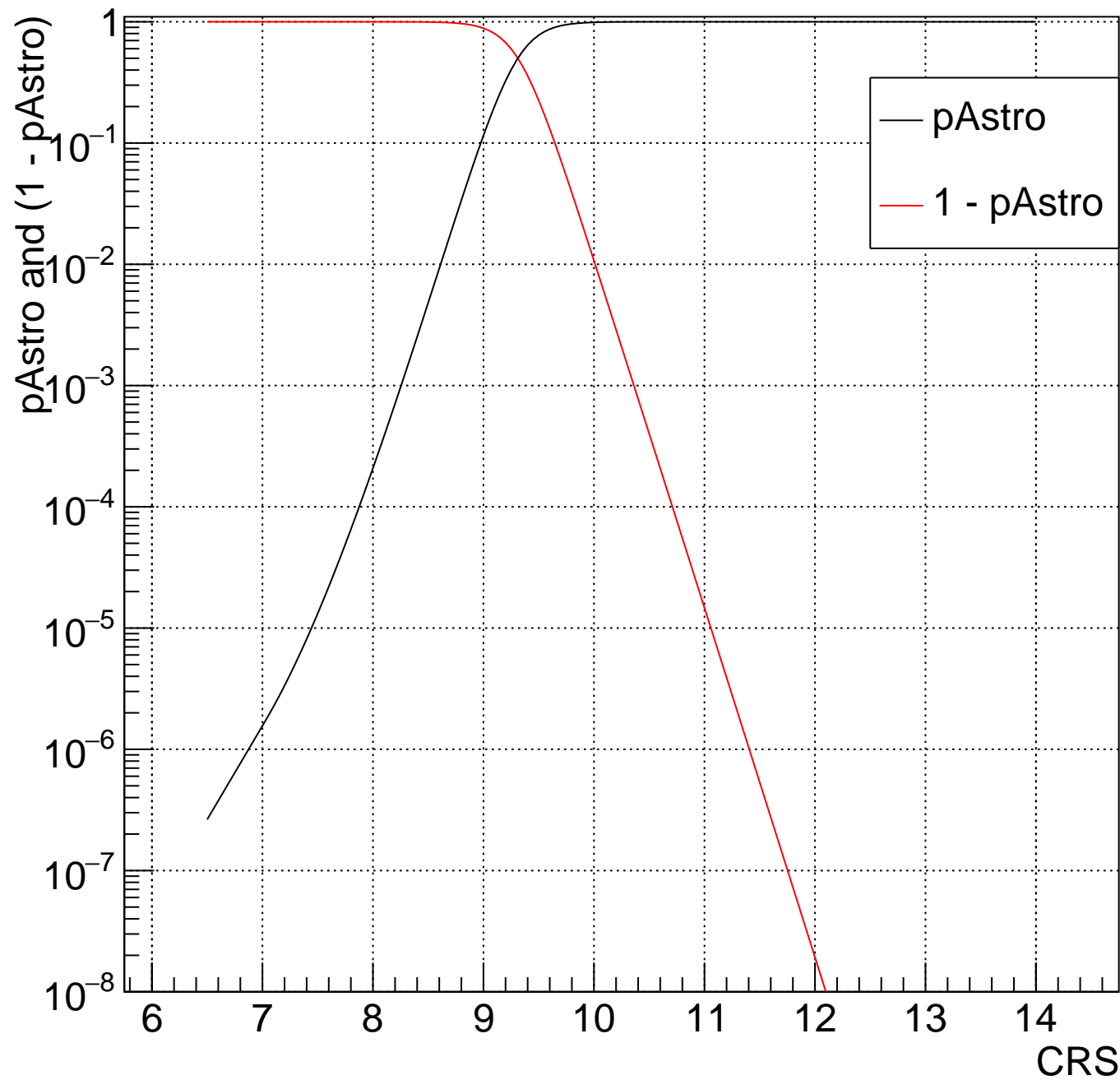
HL Bin:121  $4.745 < m_{\text{Chirp}} < 4.981$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



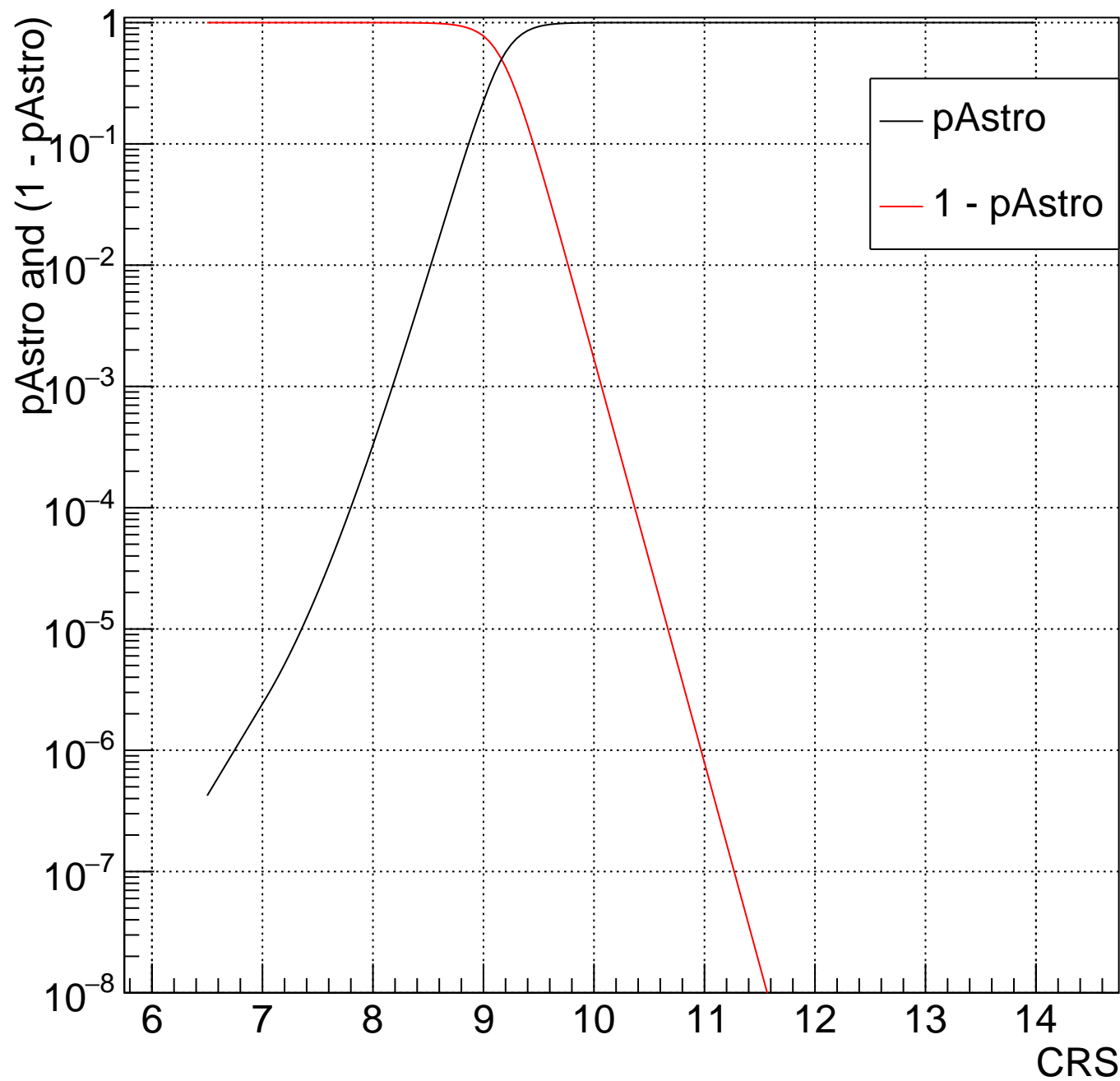
HL Bin:122  $4.981 < m_{\text{Chirp}} < 5.229$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



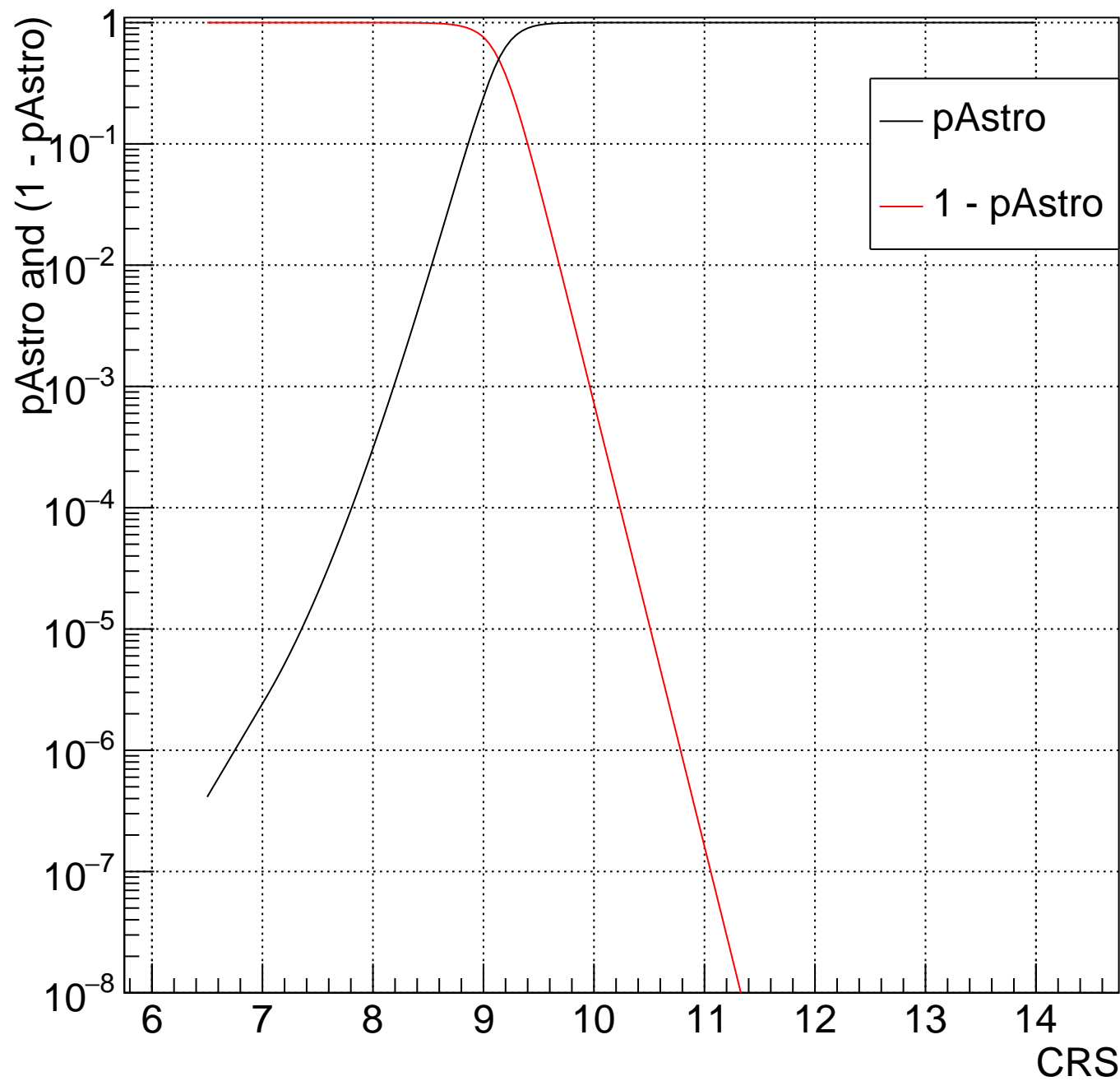
HL Bin:123 5.229<mChirp<5.49 and 0.6667<m2/m1<1, no 1 band



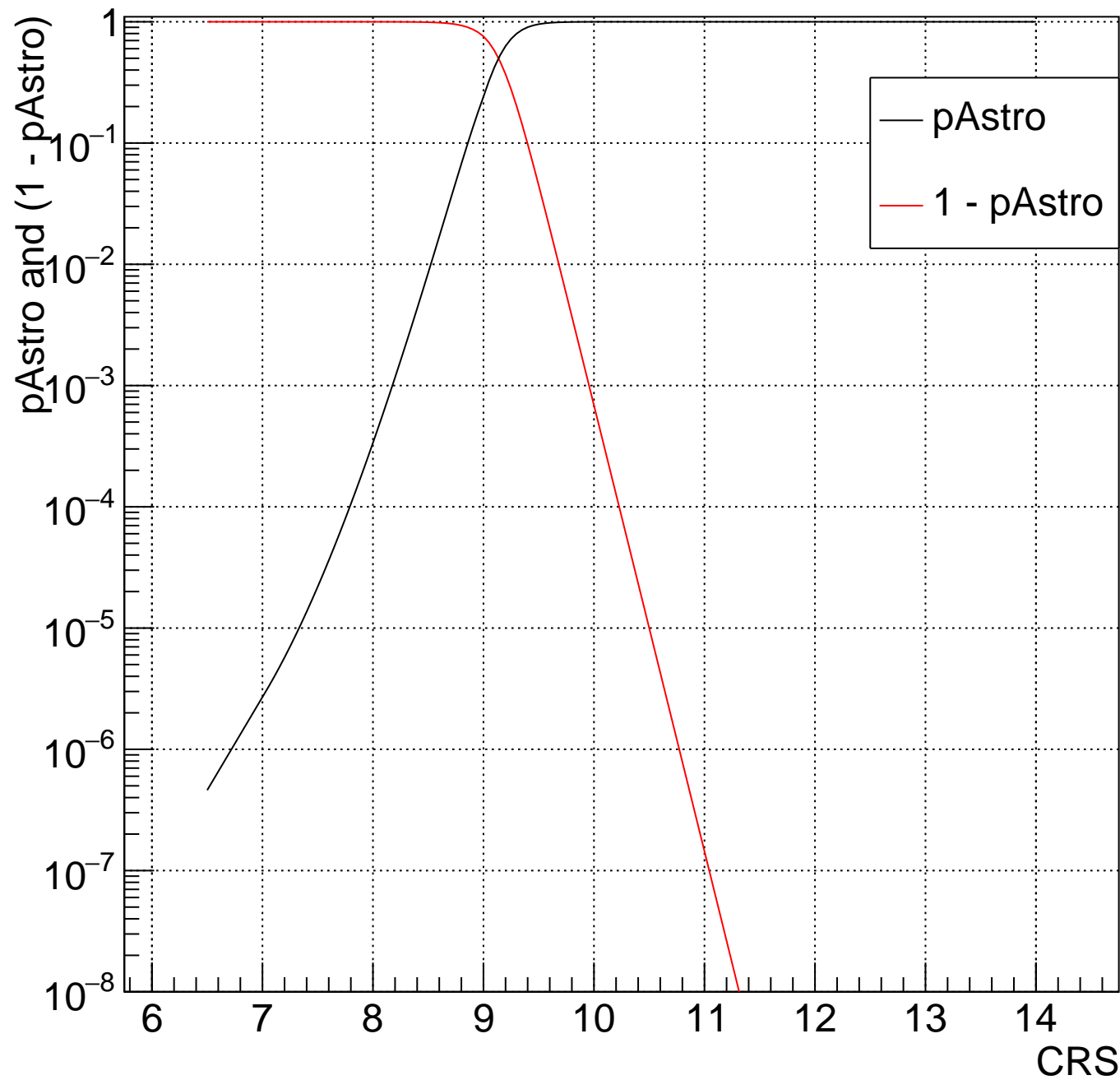
HL Bin:124  $5.49 < m_{\text{Chirp}} < 5.763$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



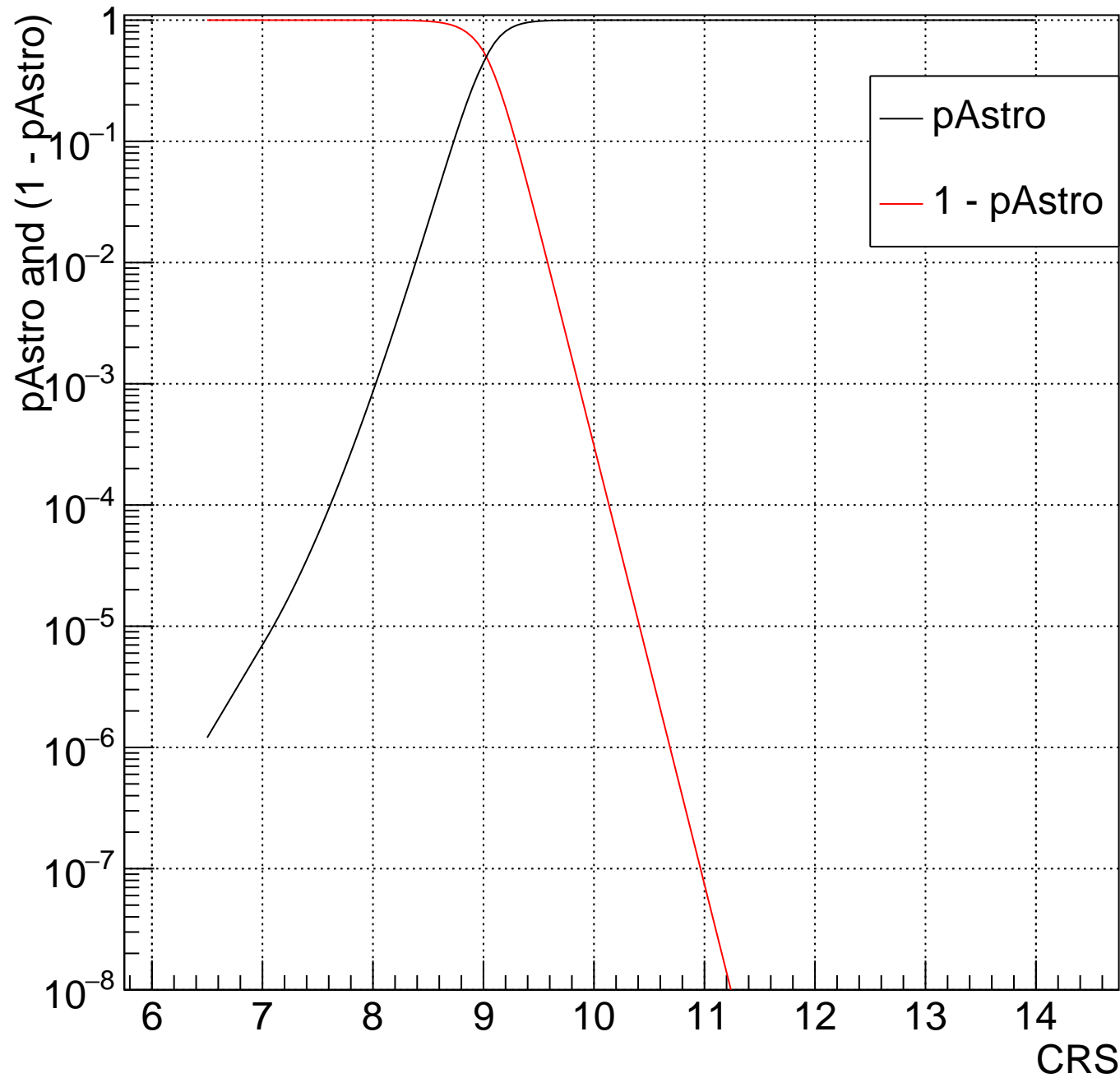
HL Bin:125  $5.763 < m_{\text{Chirp}} < 6.05$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



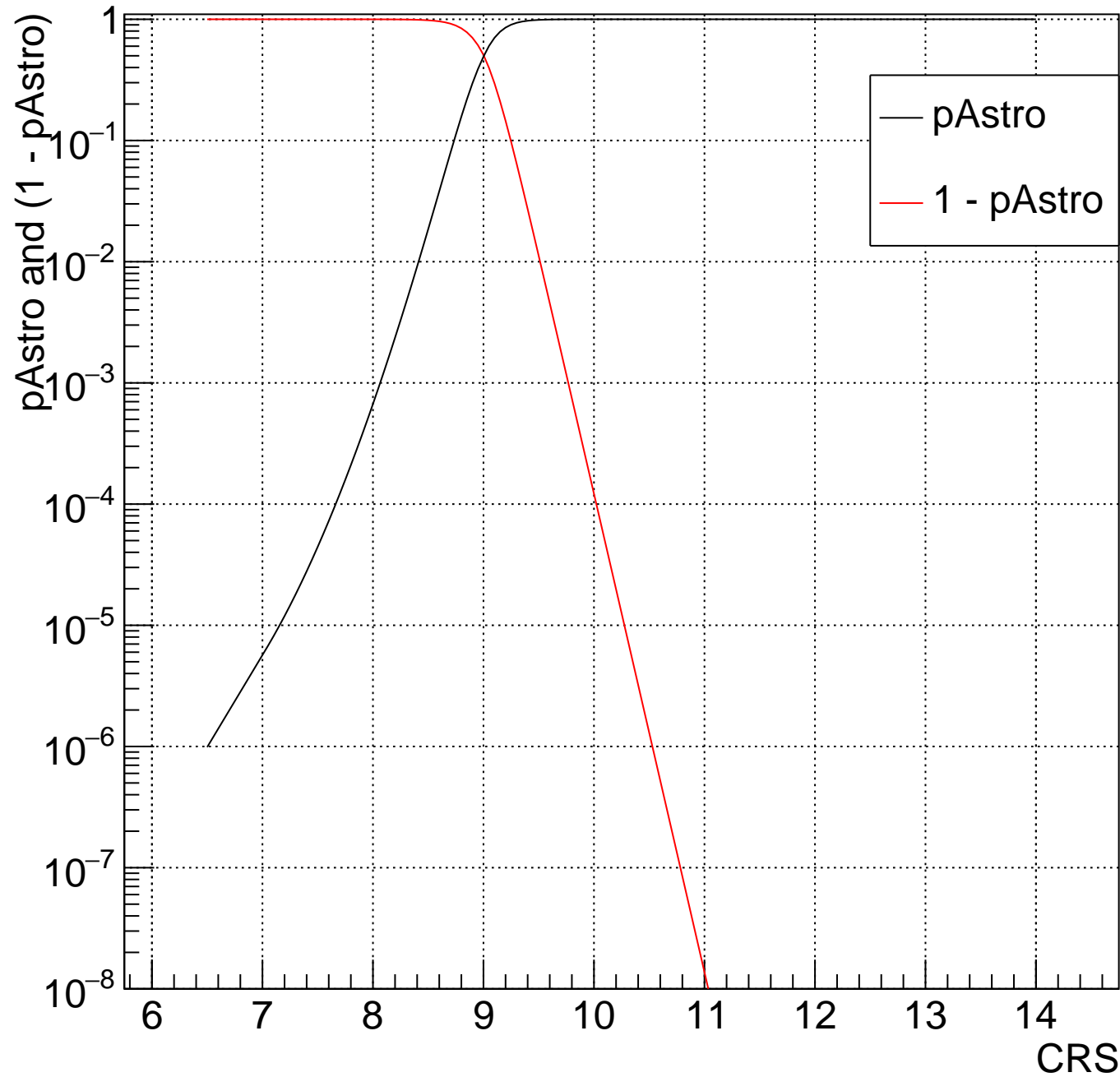
HL Bin:126  $6.05 < m_{\text{Chirp}} < 6.352$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



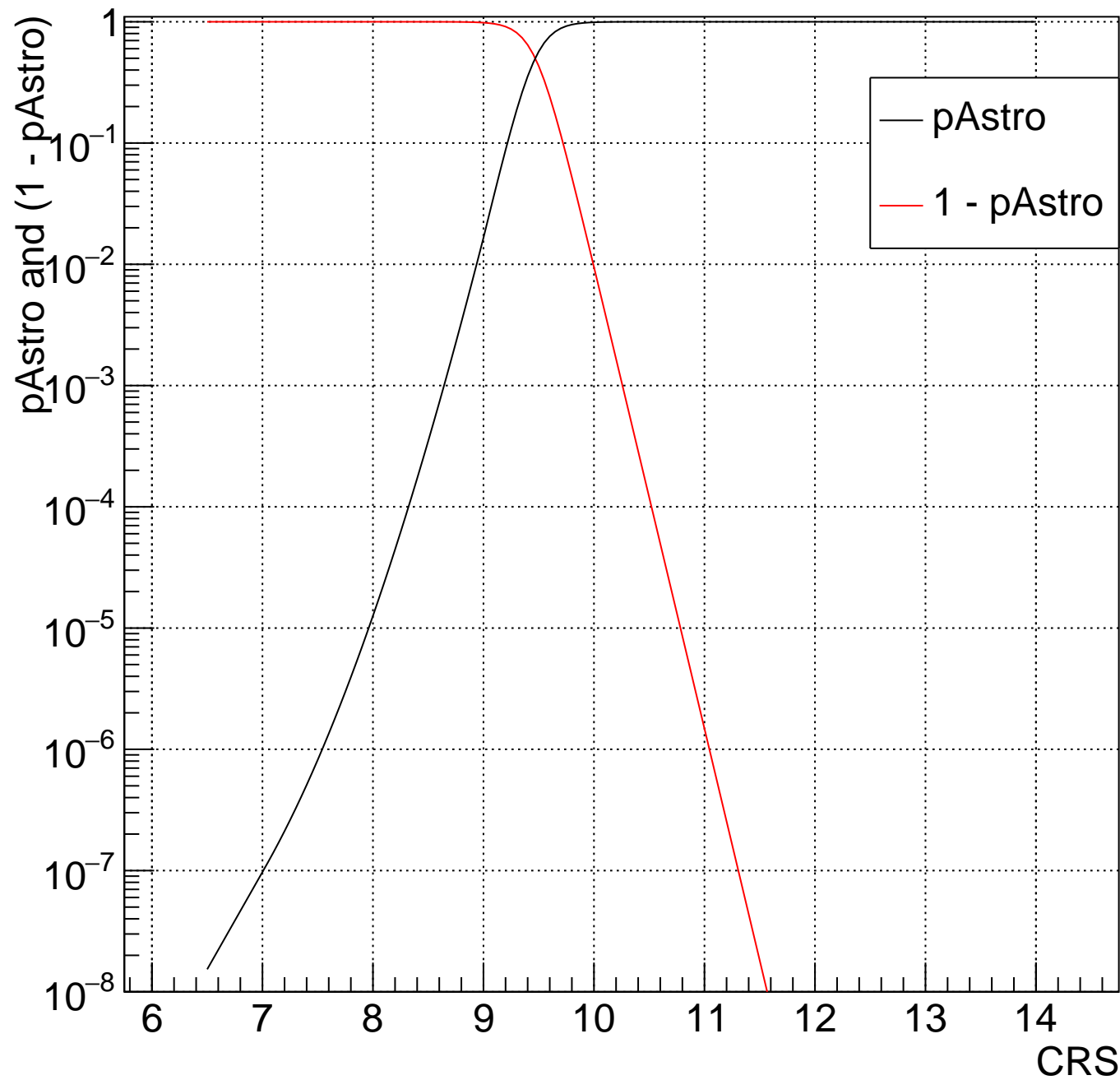
HL Bin:127  $6.352 < m_{\text{Chirp}} < 6.668$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



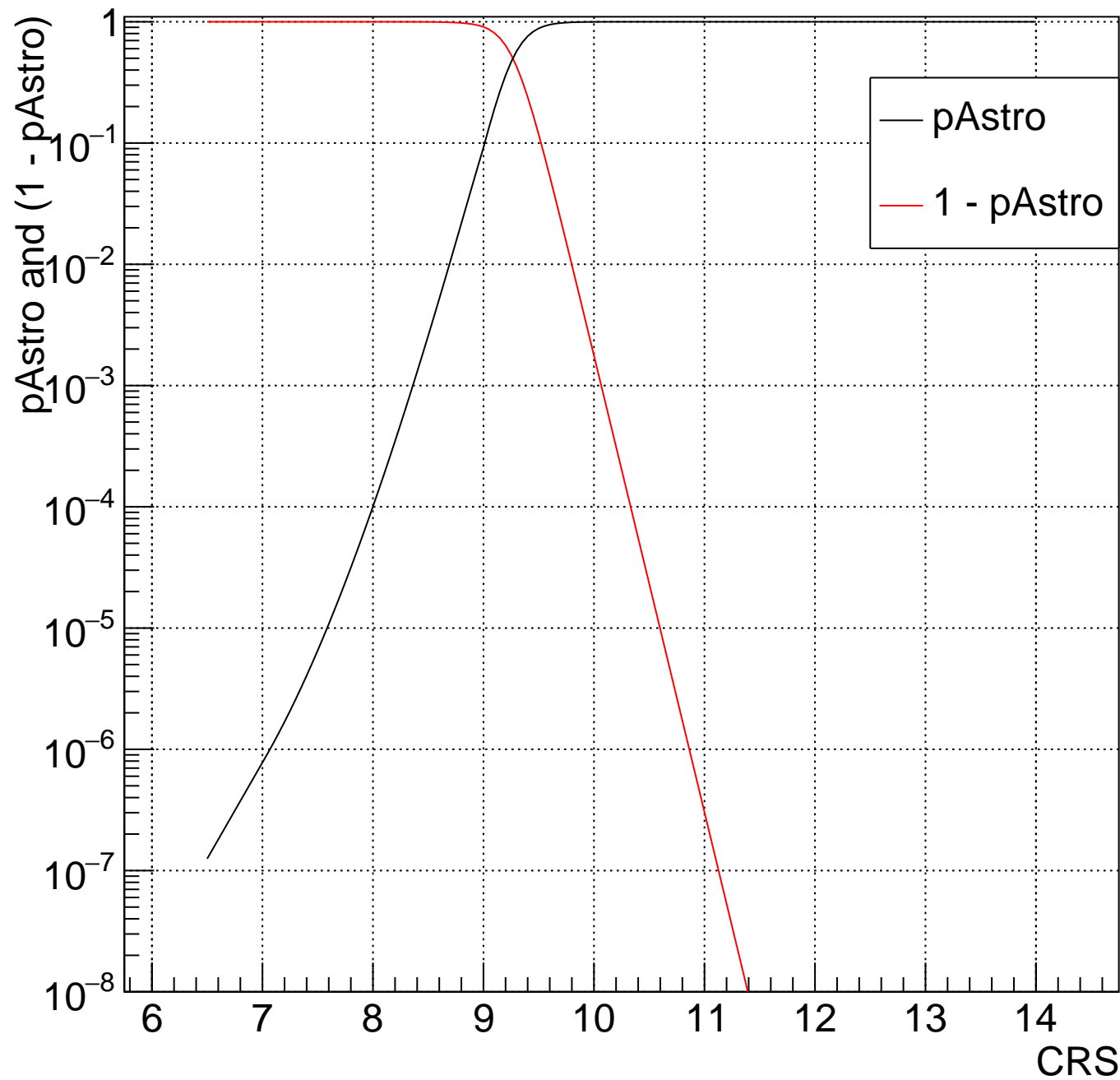
HL Bin:128  $6.668 < m_{\text{Chirp}} < 7$  and  $0.6667 < m_2/m_1 < 1$ , no 1 band



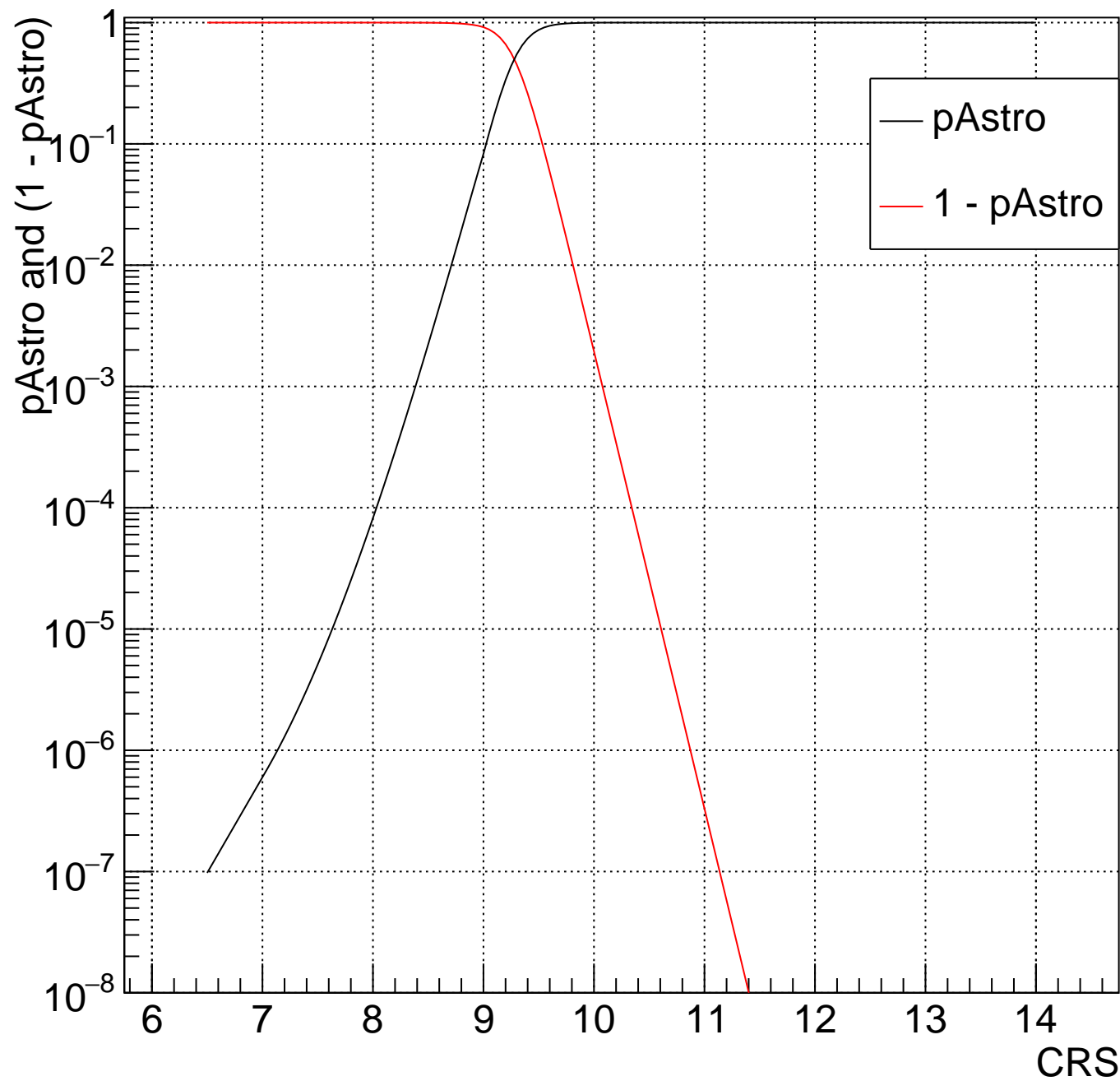
HL Bin:129  $16.08 < m_{\text{Tot}} < 17.52$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



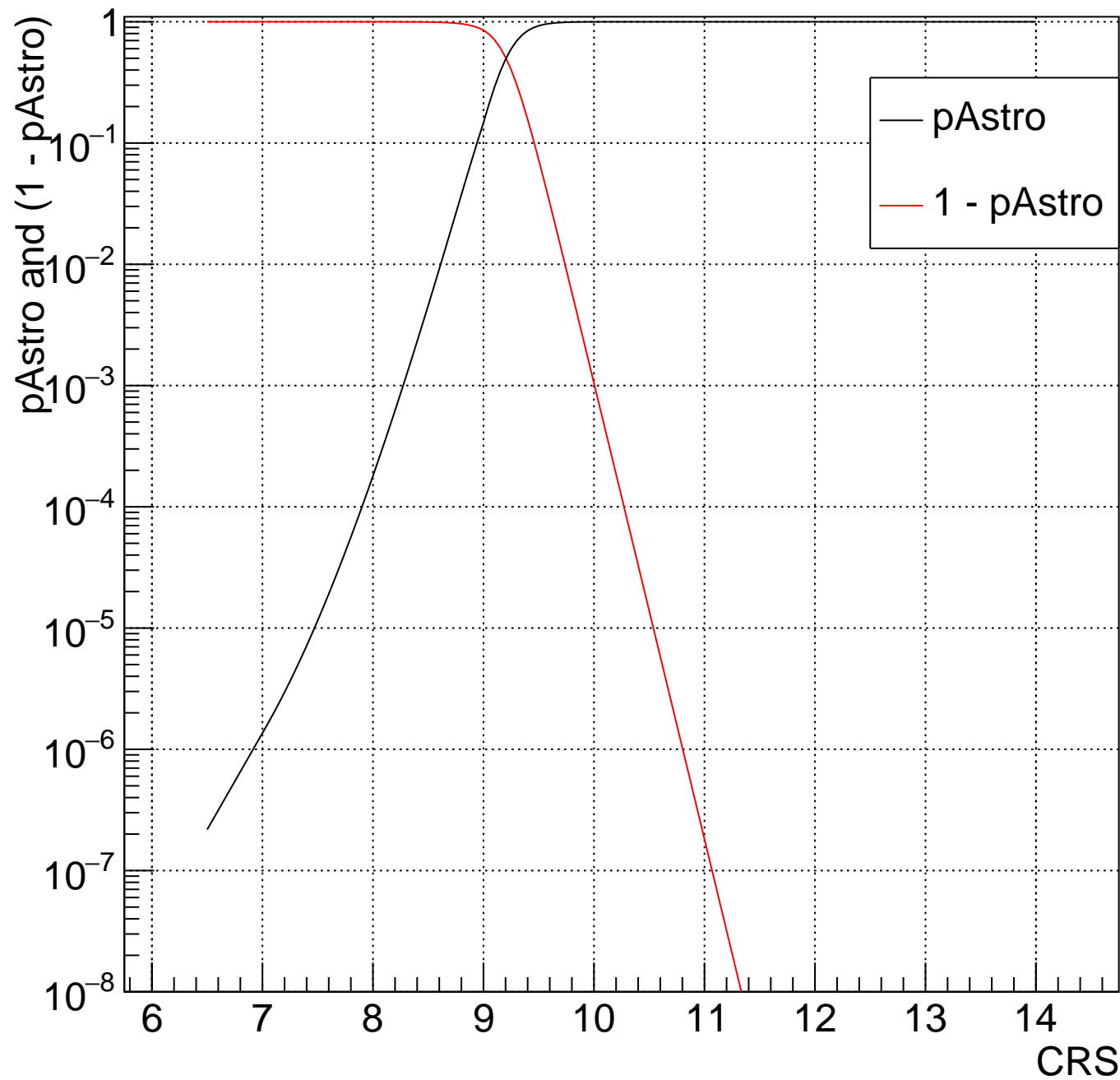
HL Bin:130  $17.52 < m_{\text{Tot}} < 19.1$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



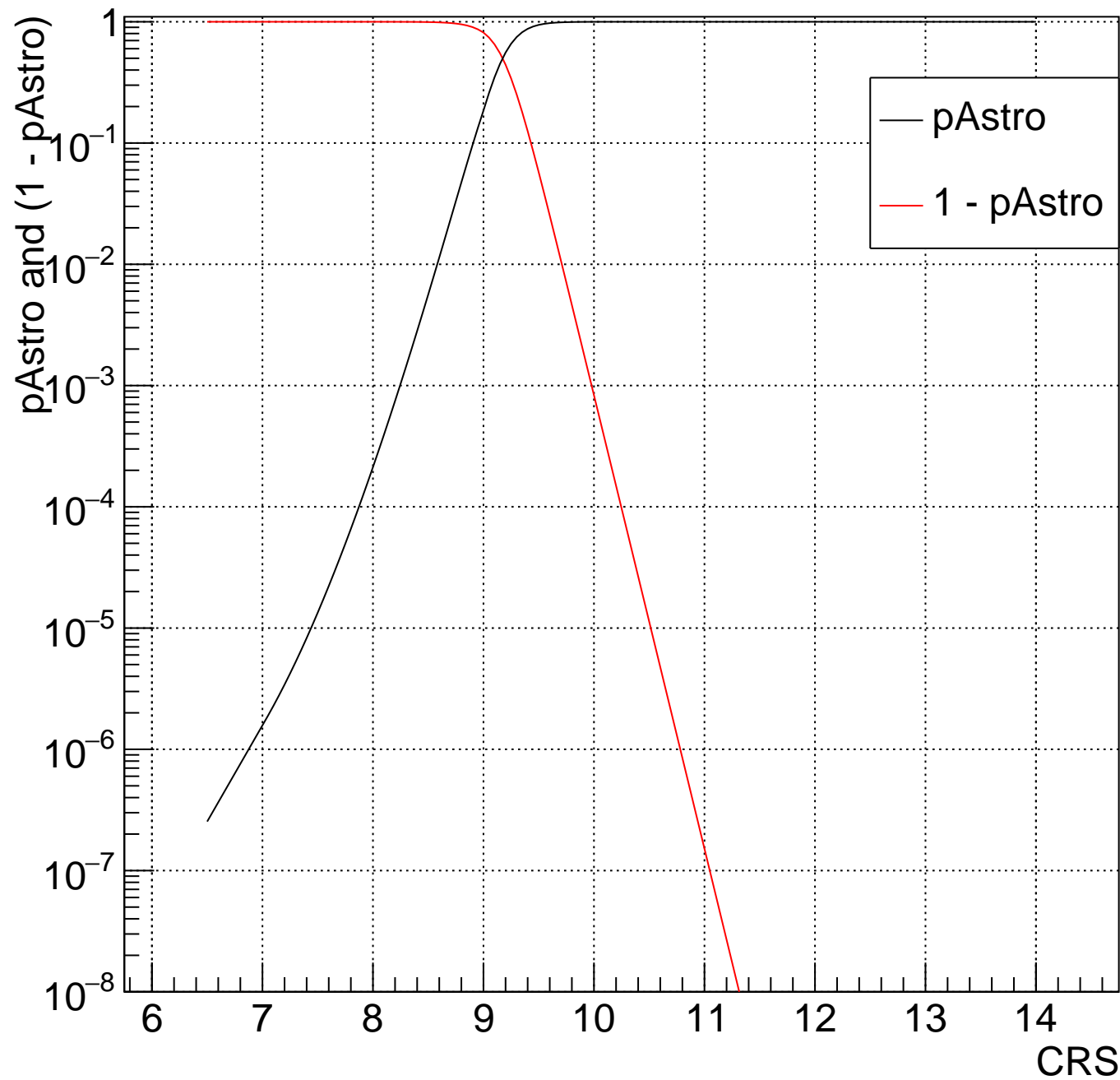
HL Bin:131  $19.1 < m_{\text{Tot}} < 20.81$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



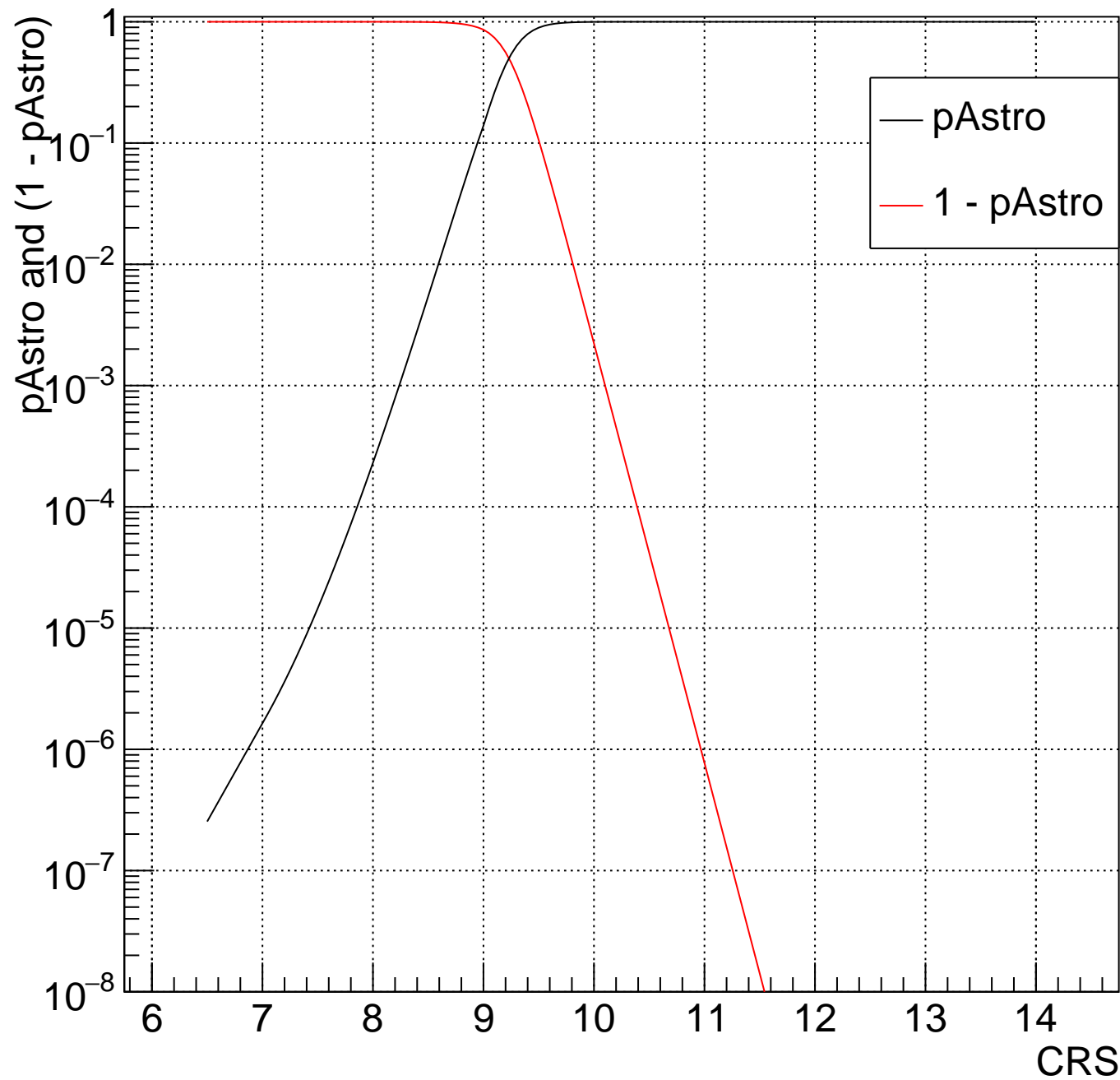
HL Bin:132  $20.81 < m_{\text{Tot}} < 22.68$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



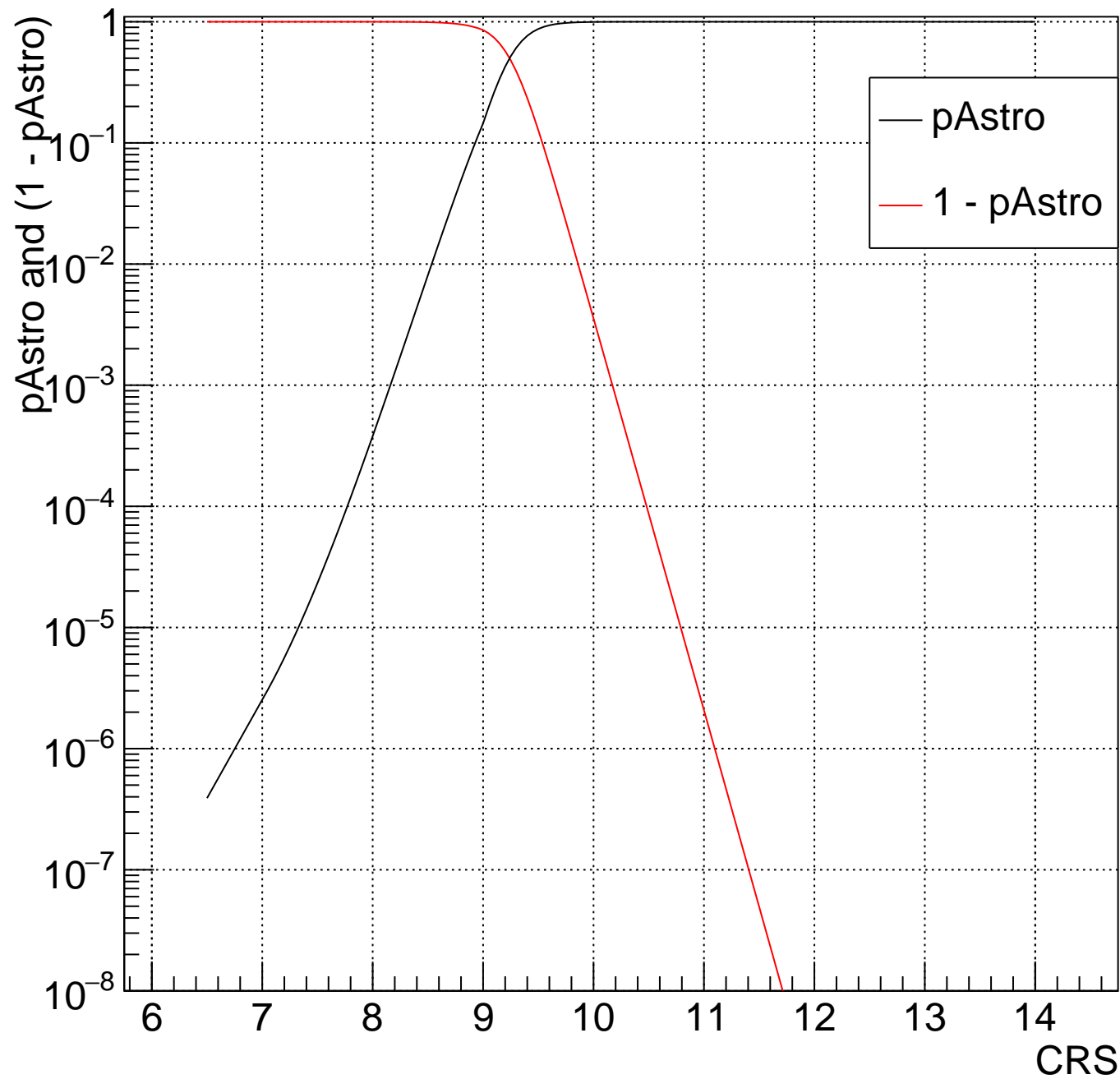
HL Bin:133  $22.68 < m_{\text{Tot}} < 24.71$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



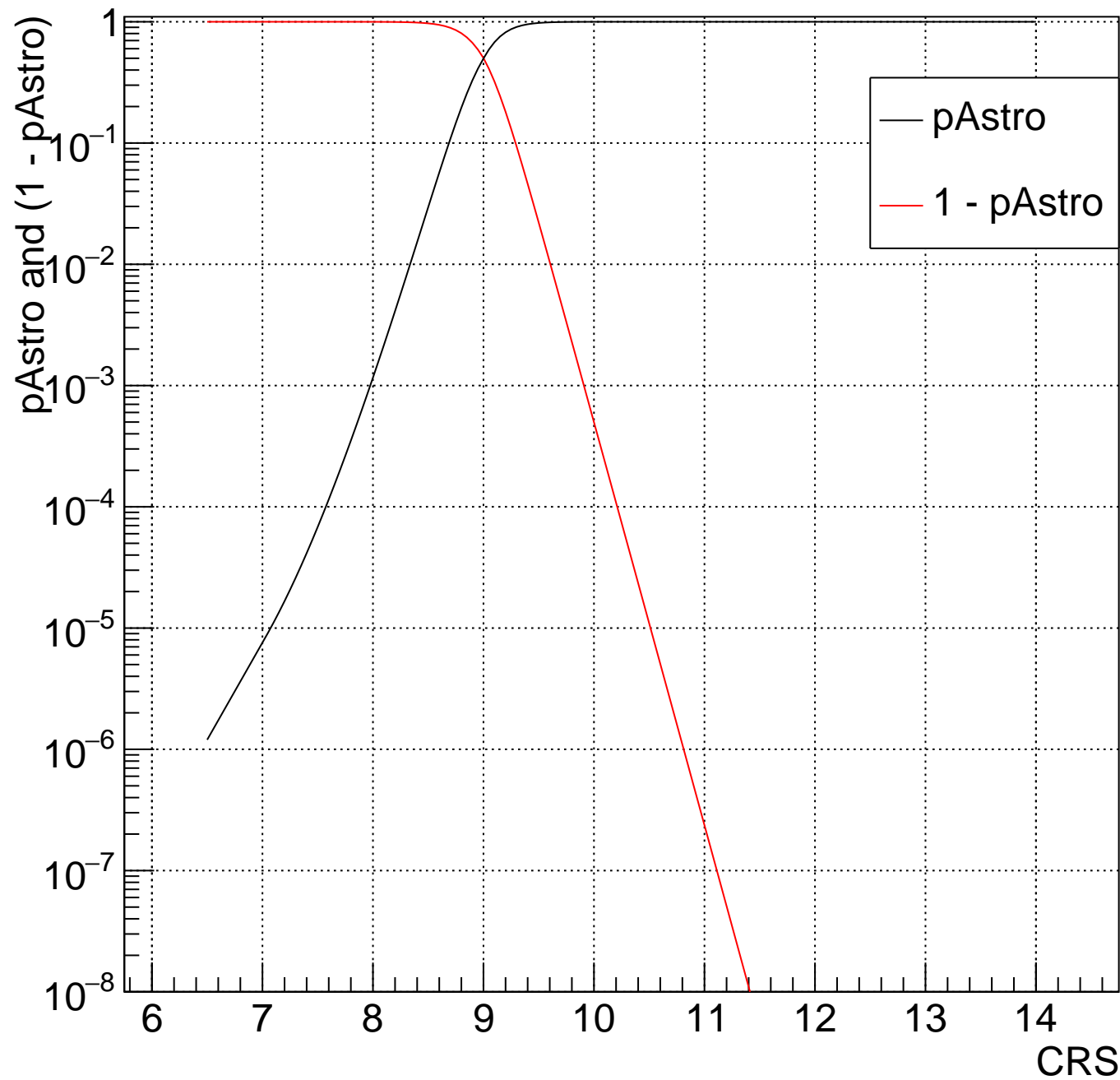
HL Bin:134  $24.71 < m_{\text{Tot}} < 26.93$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



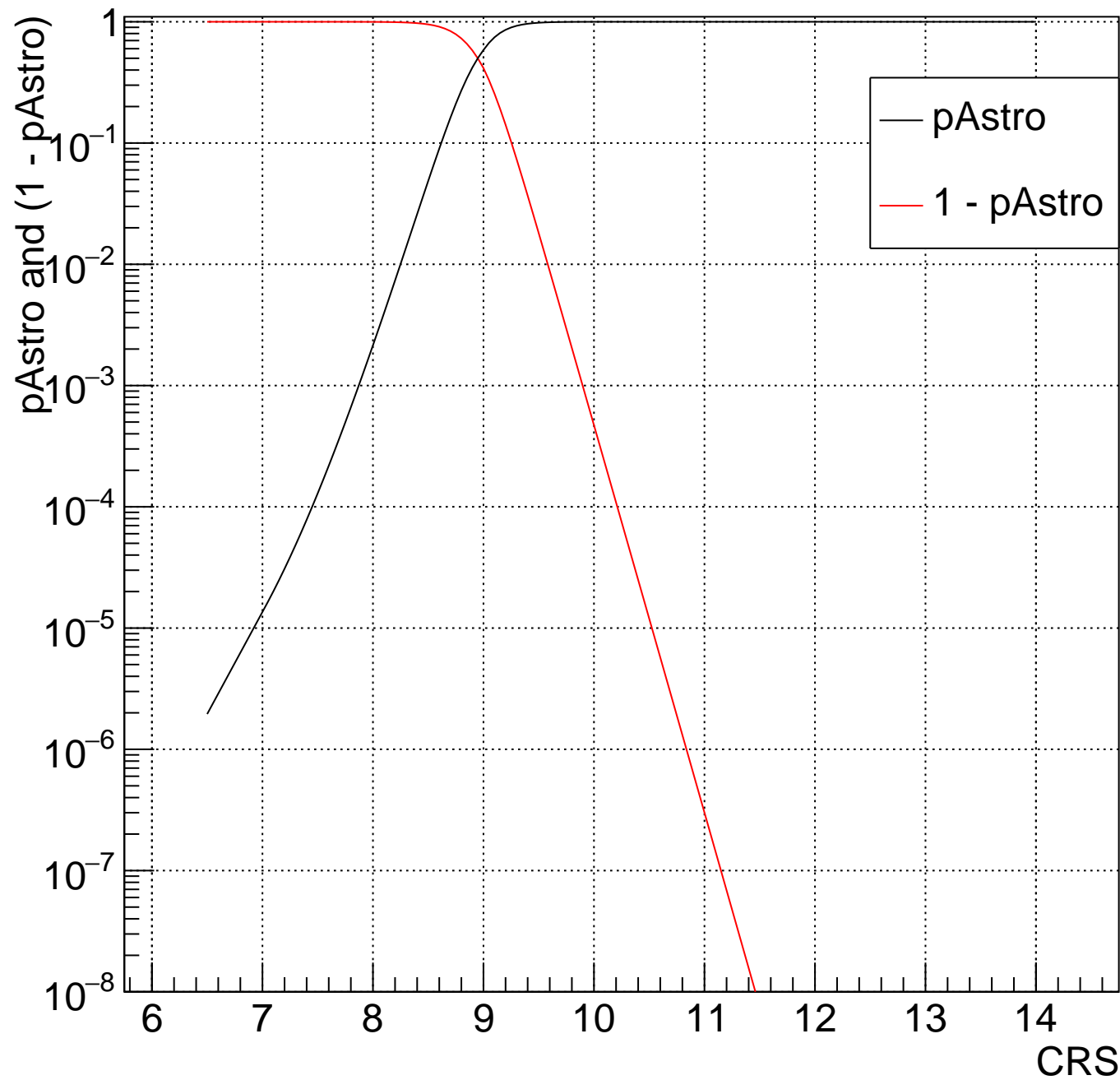
HL Bin:135  $26.93 < m_{\text{Tot}} < 29.35$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



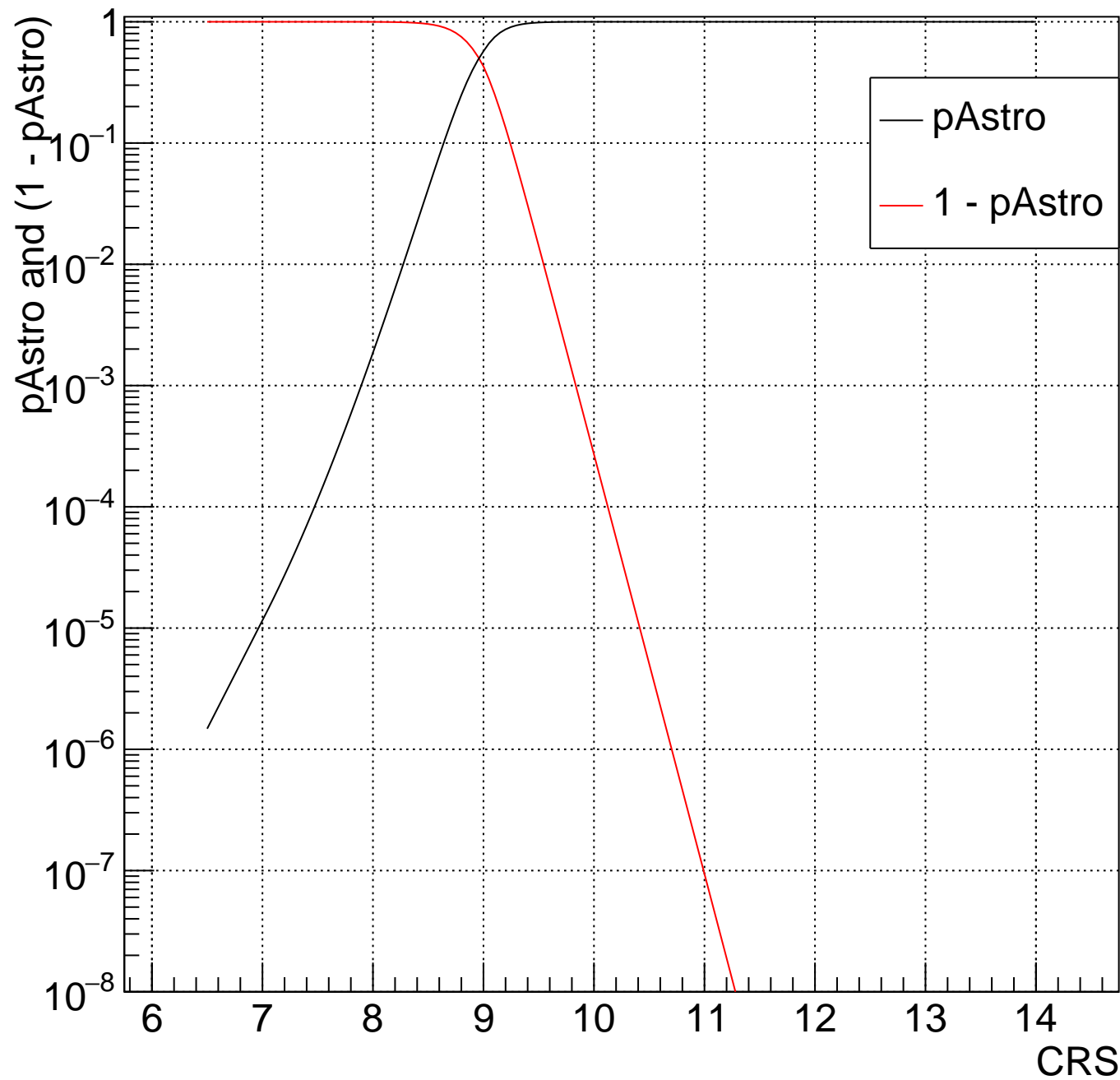
HL Bin:136  $29.35 < m_{\text{Tot}} < 31.98$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



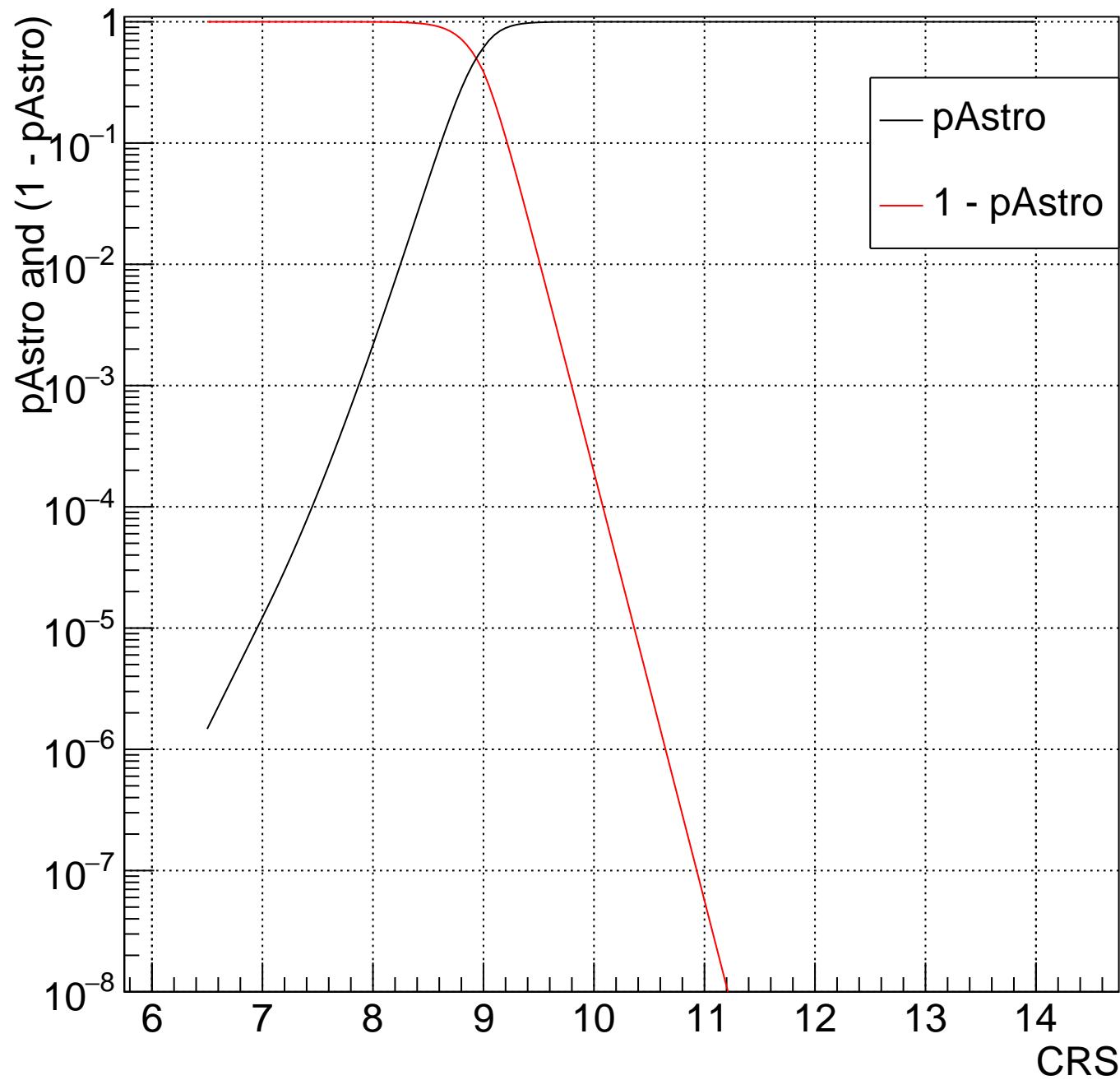
HL Bin:137 31.98<mTot<34.85 and -1<chiEff<-0.3333



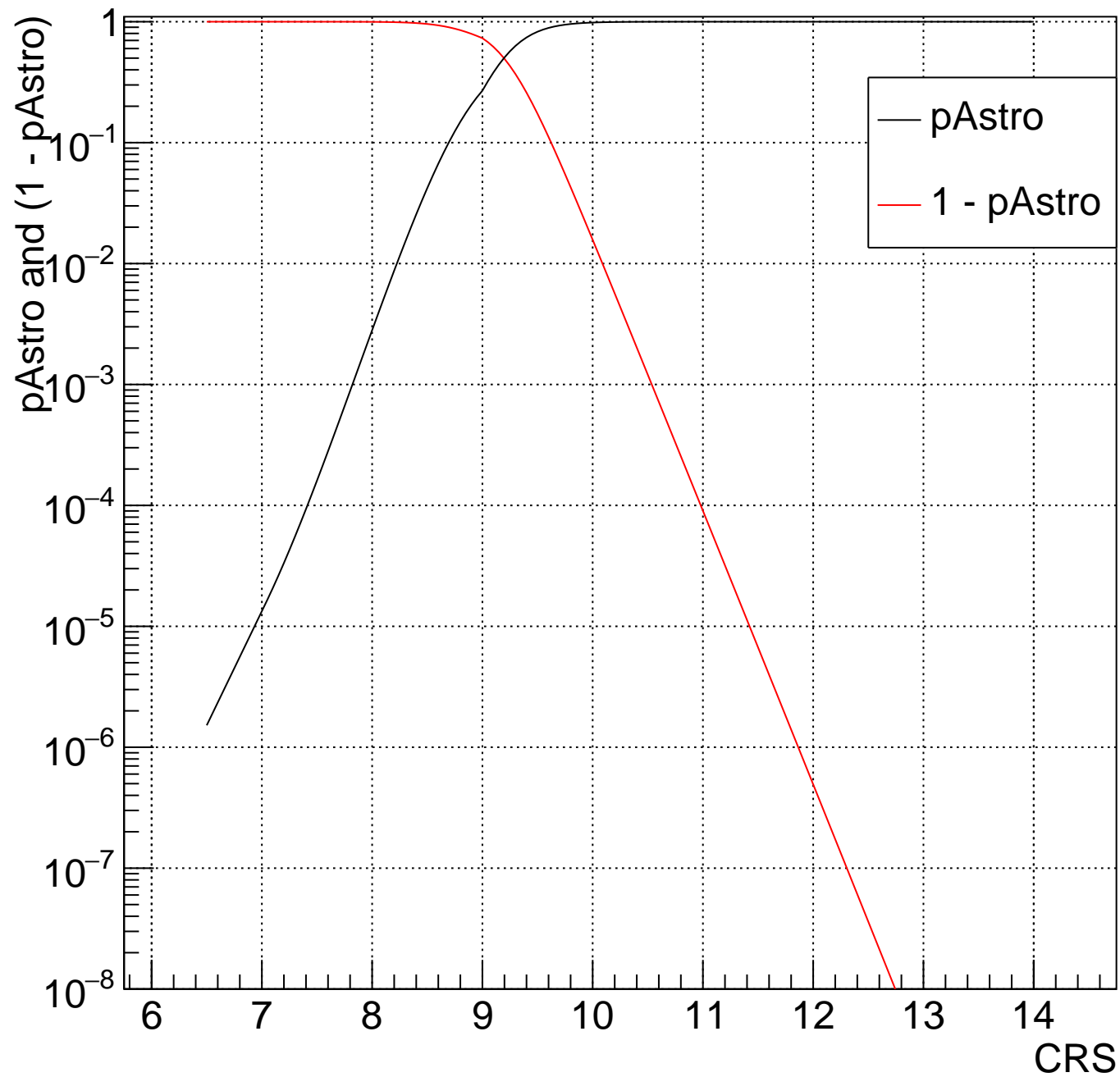
HL Bin:138  $34.85 < m_{\text{Tot}} < 37.97$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



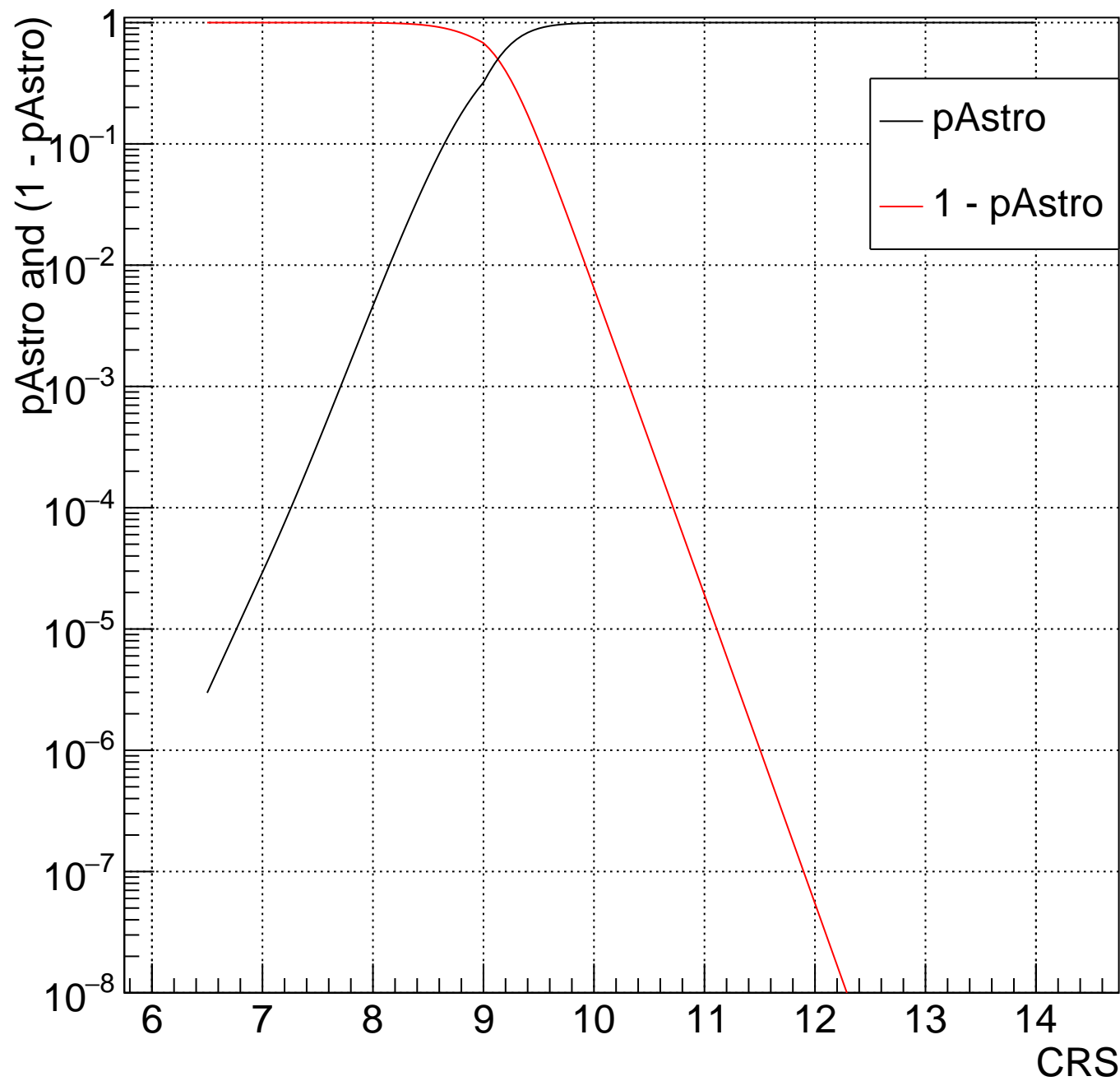
HL Bin:139 37.97<mTot<41.38 and -1<chiEff<-0.3333



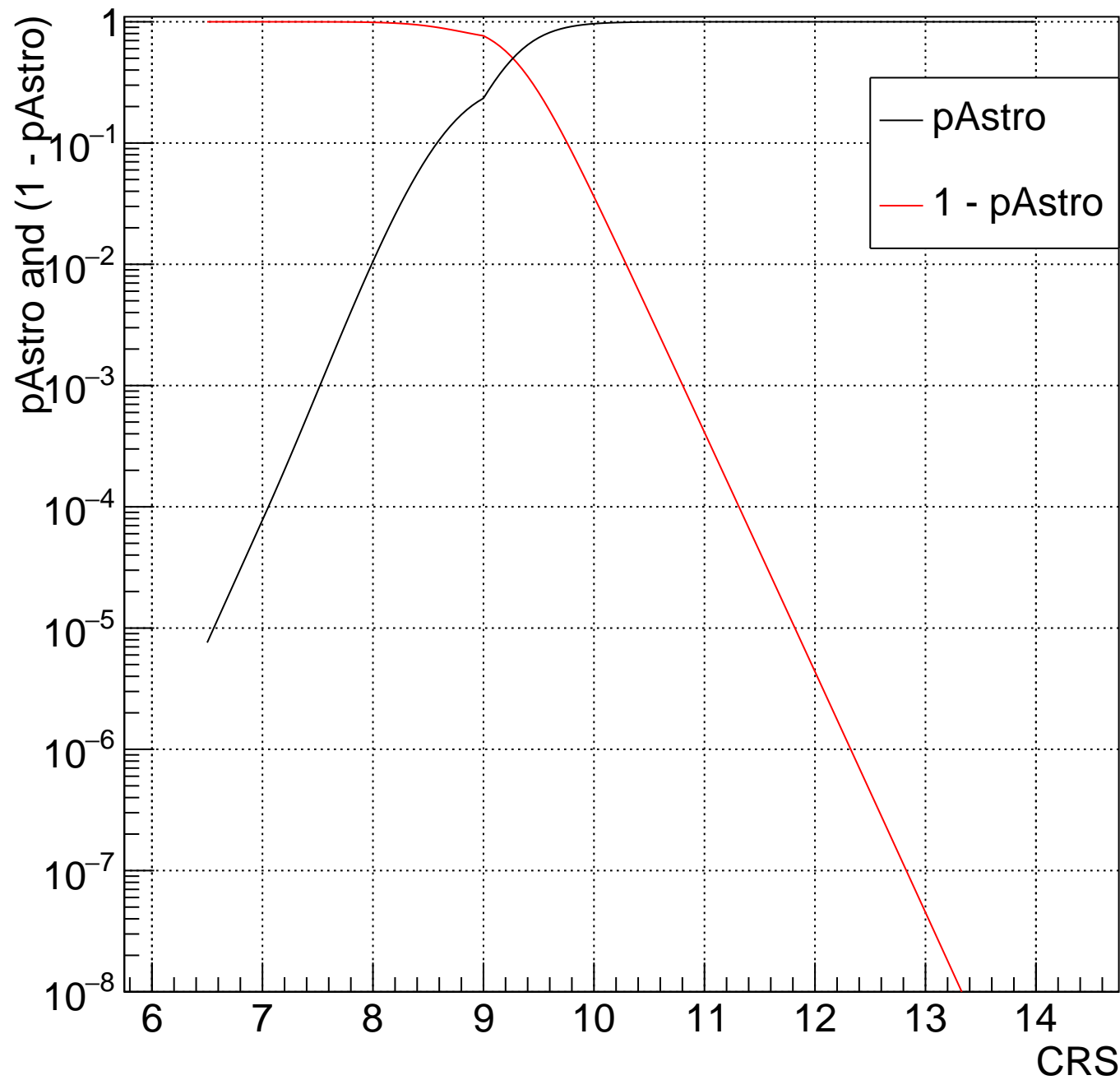
HL Bin:140  $41.38 < m_{\text{Tot}} < 45.09$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



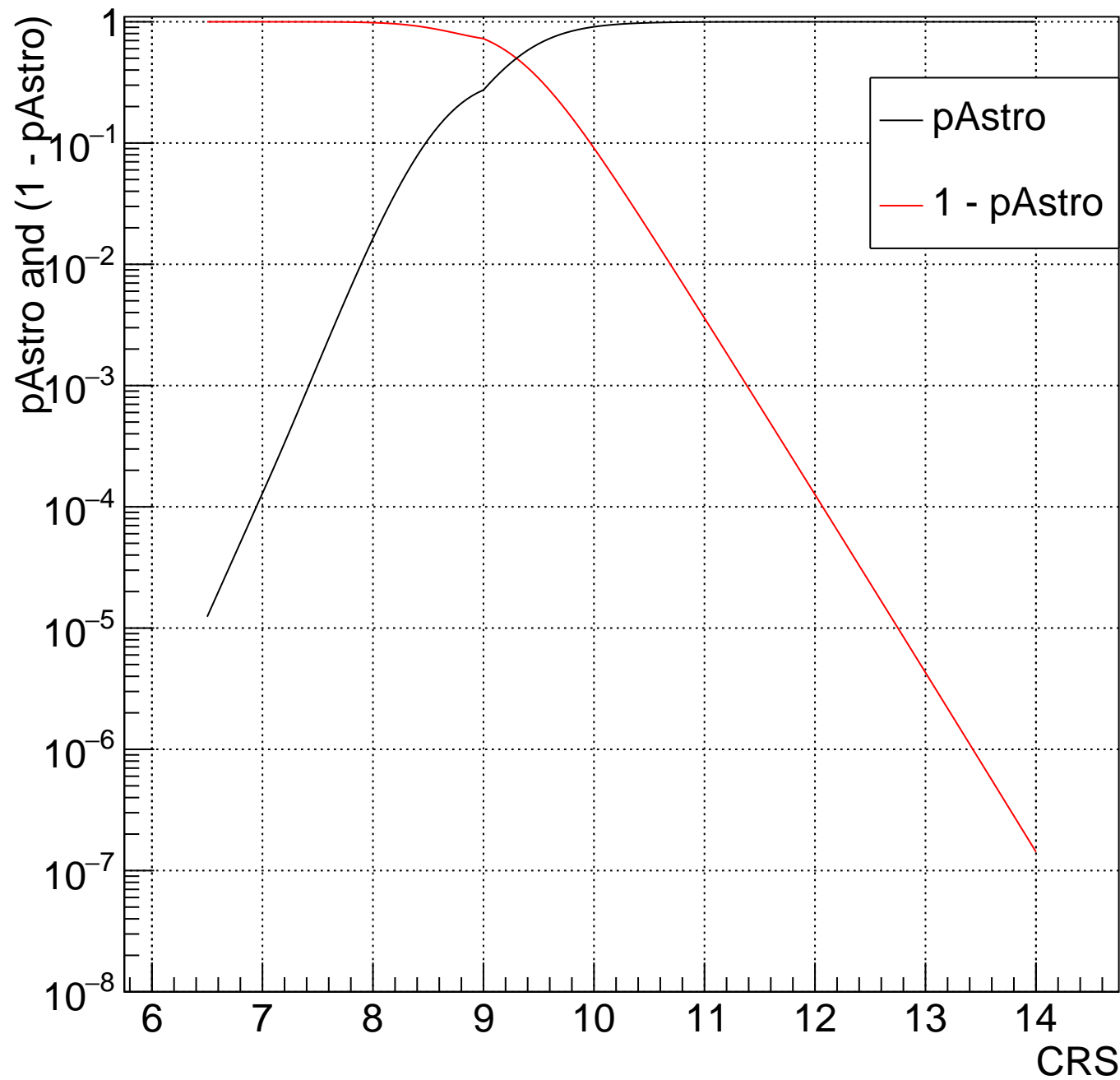
HL Bin:141 45.09<mTot<49.14 and -1<chiEff<-0.3333



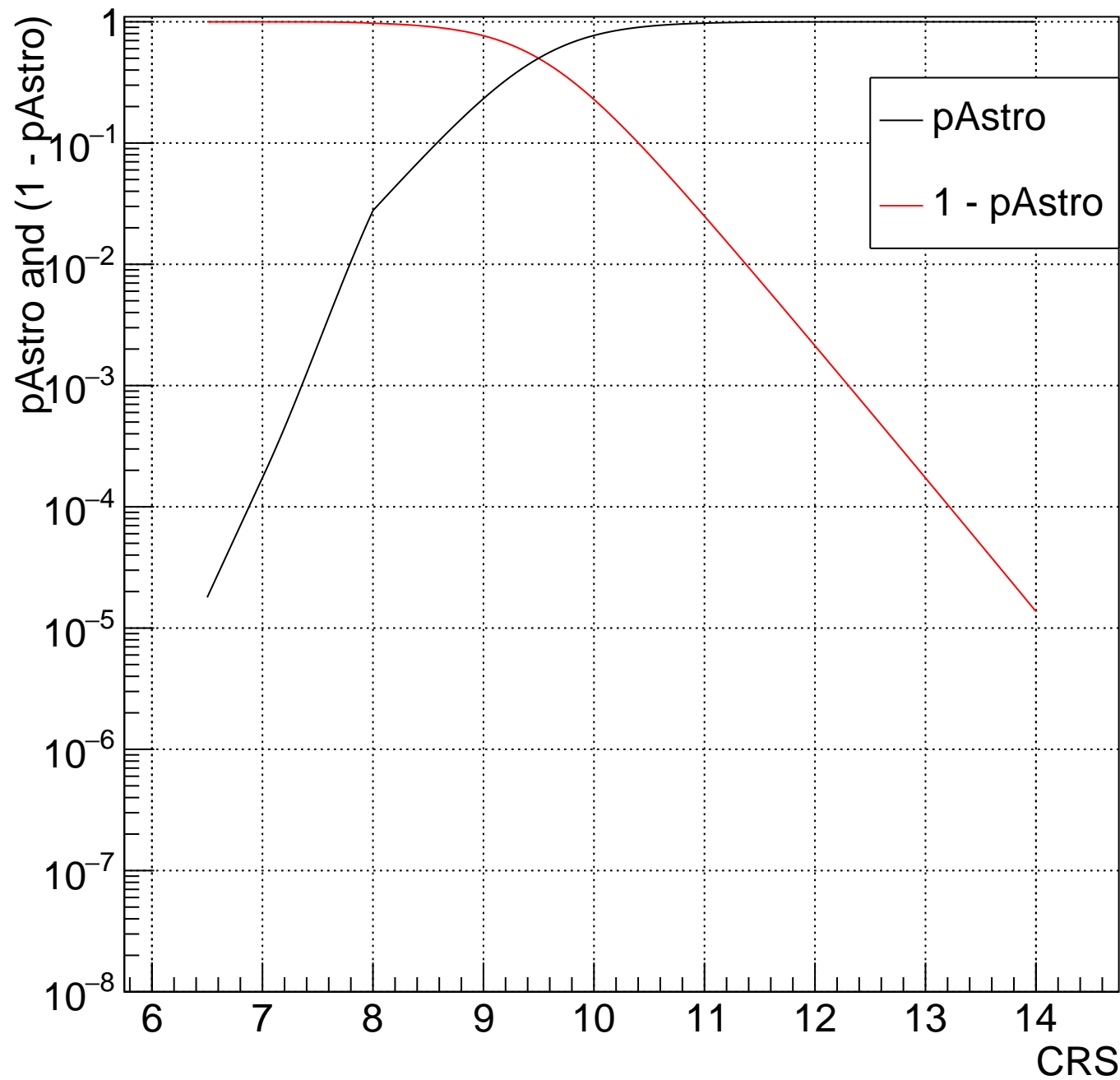
HL Bin:142 49.14<mTot<53.55 and -1<chiEff<-0.3333



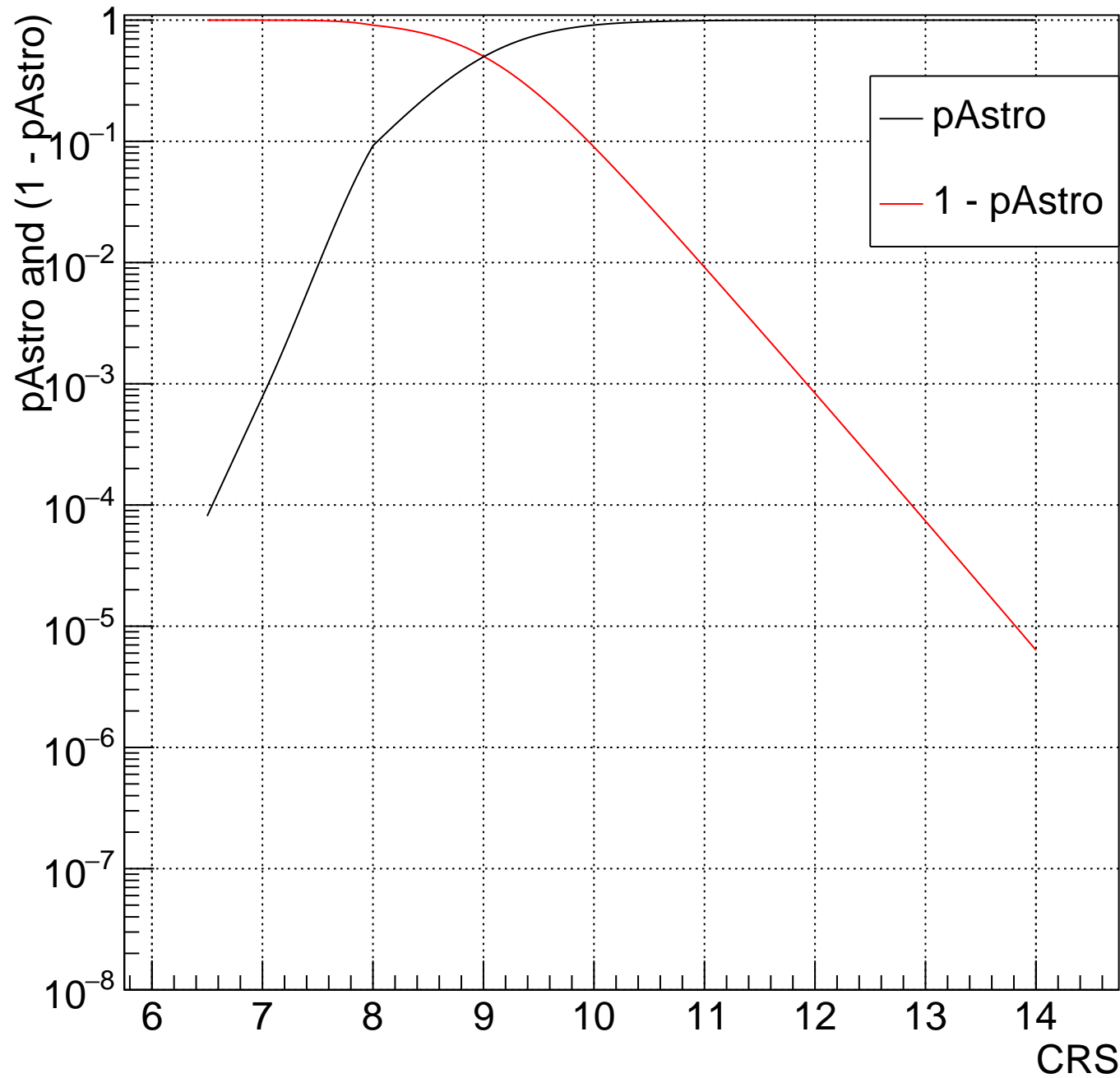
HL Bin:143  $53.55 < m_{\text{Tot}} < 58.35$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



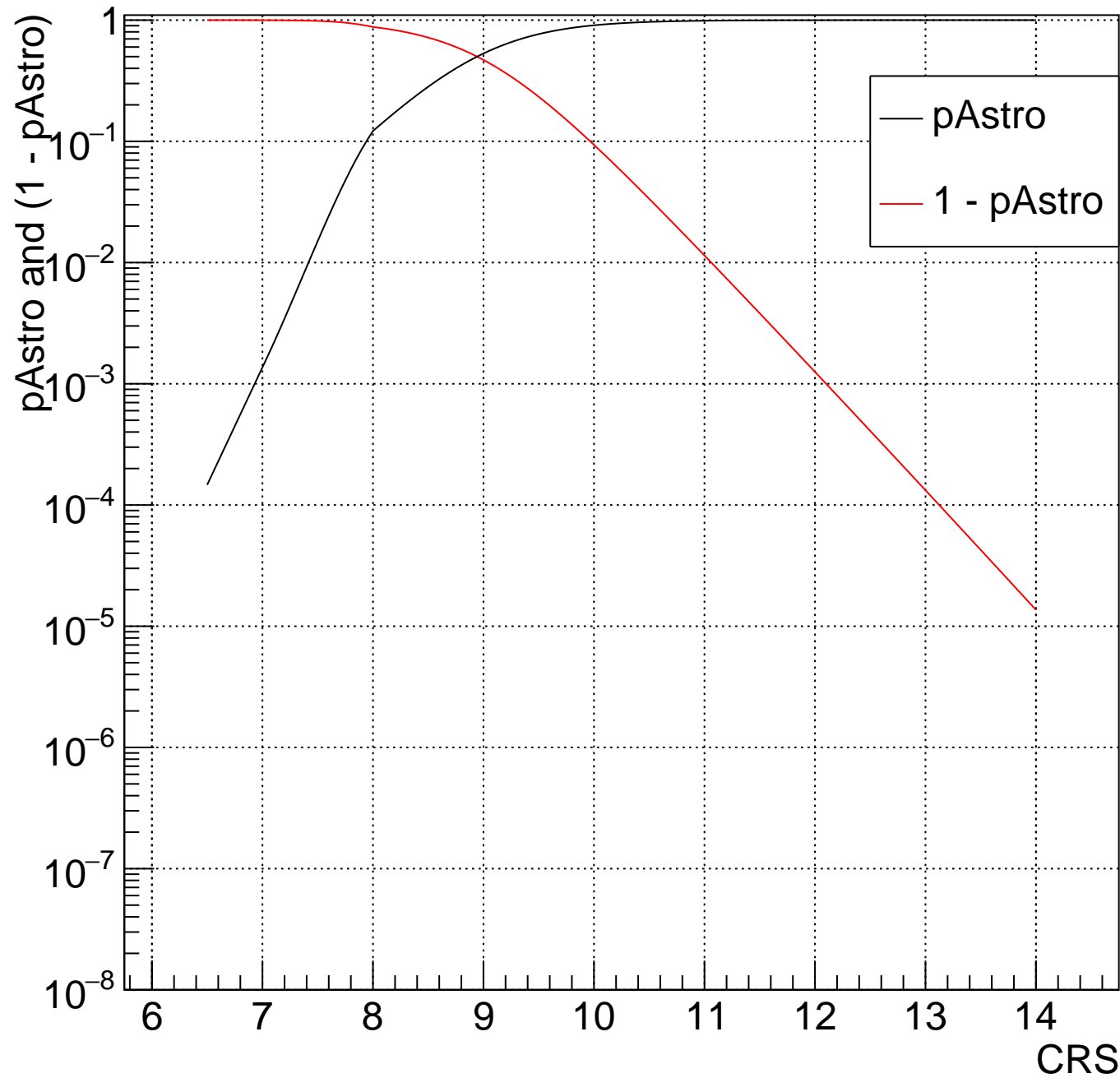
HL Bin:144  $58.35 < m_{\text{Tot}} < 63.59$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



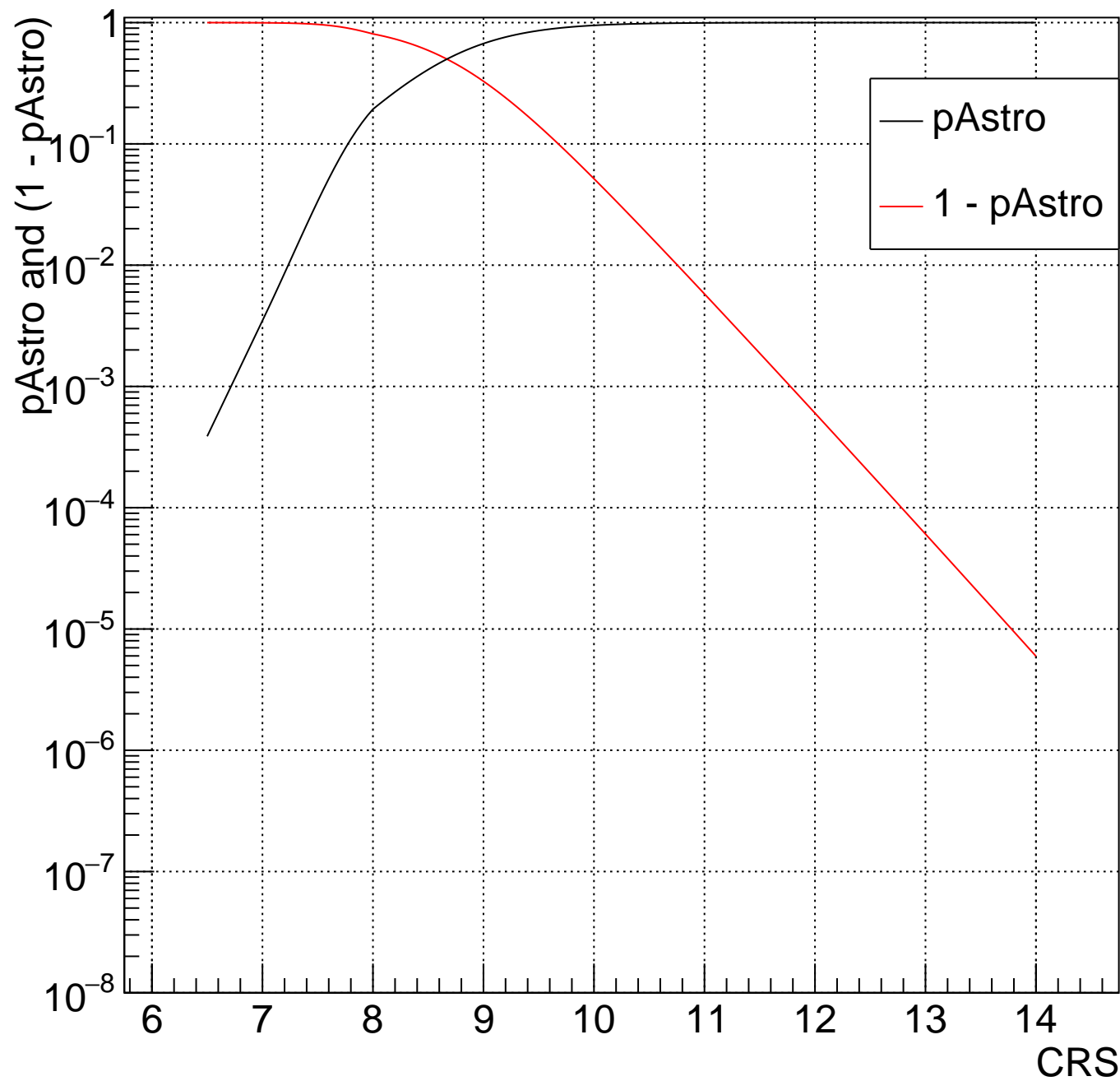
HL Bin:145  $63.59 < m_{\text{Tot}} < 69.3$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



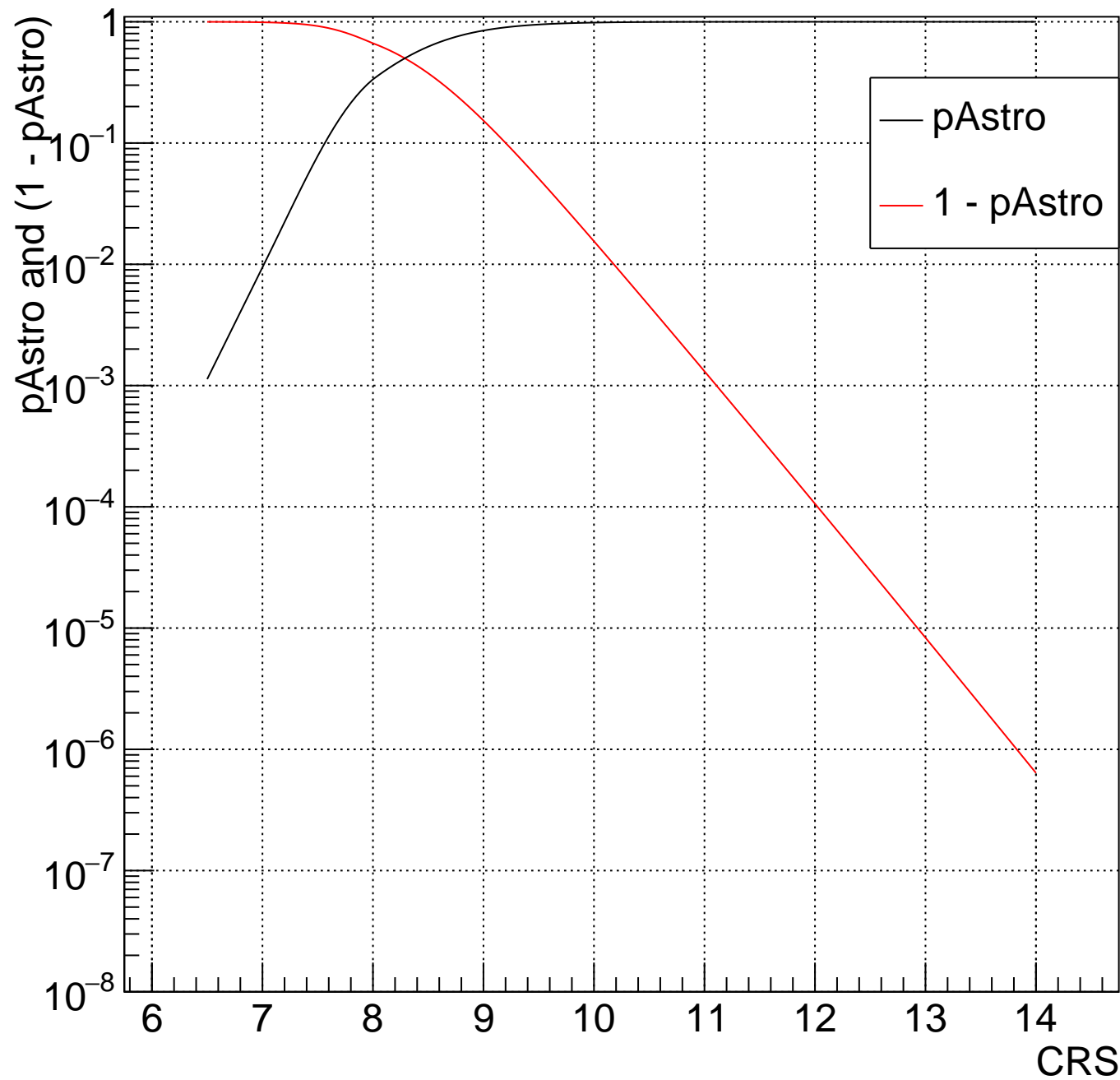
HL Bin:146  $69.3 < m_{\text{Tot}} < 75.51$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



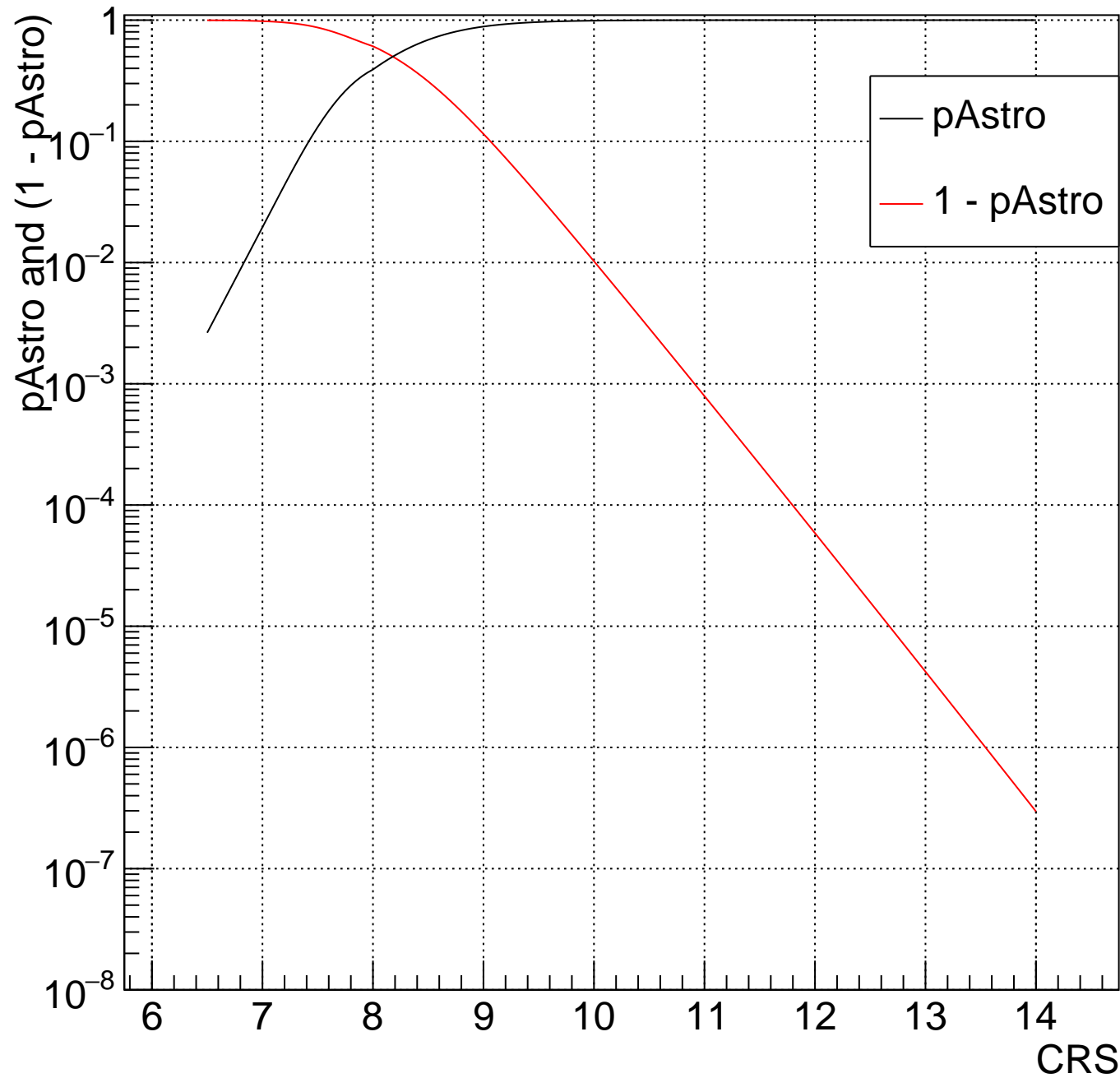
HL Bin:147  $75.51 < m_{\text{Tot}} < 82.29$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



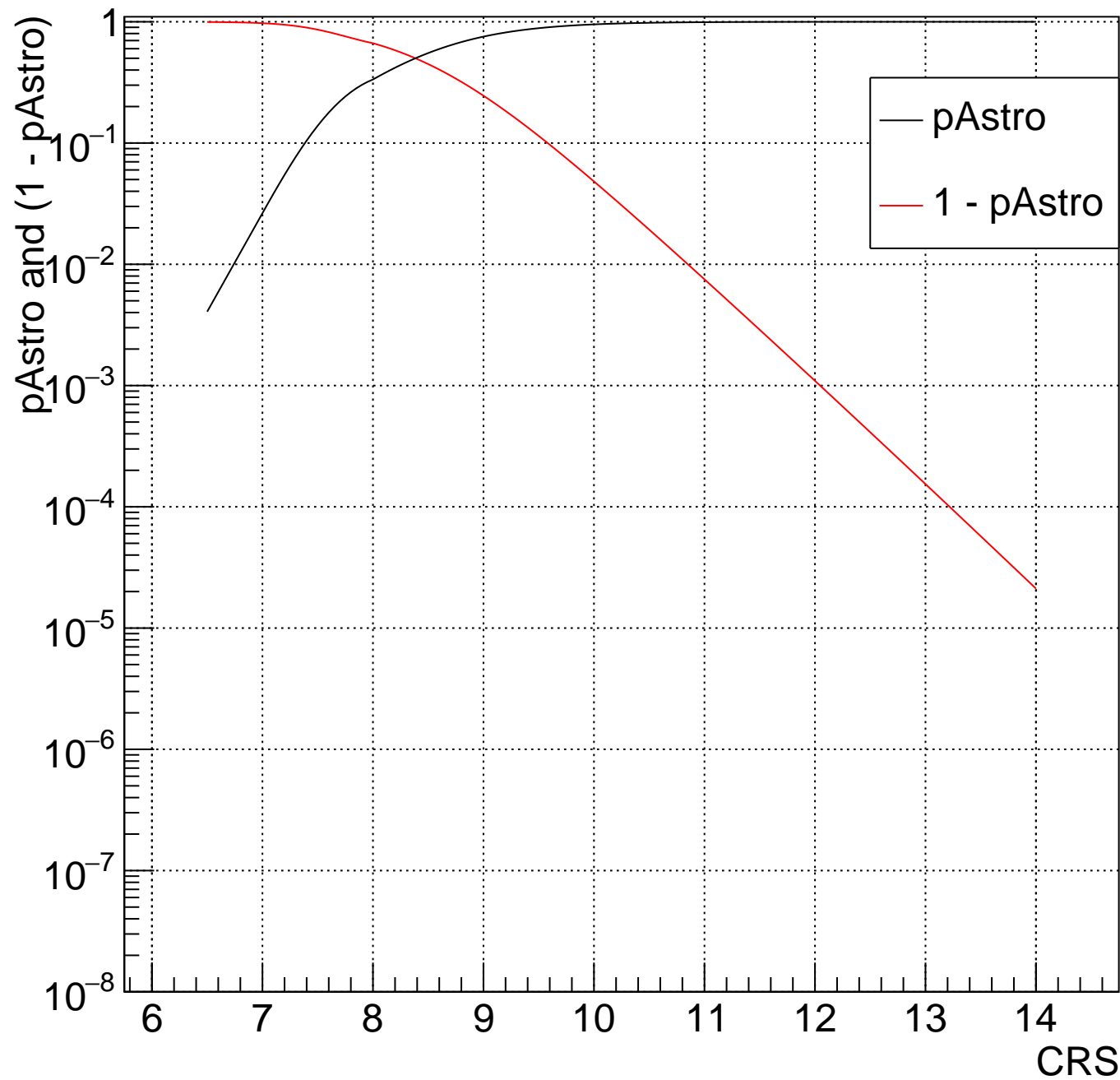
HL Bin:148 82.29<mTot<89.67 and -1<chiEff<-0.3333



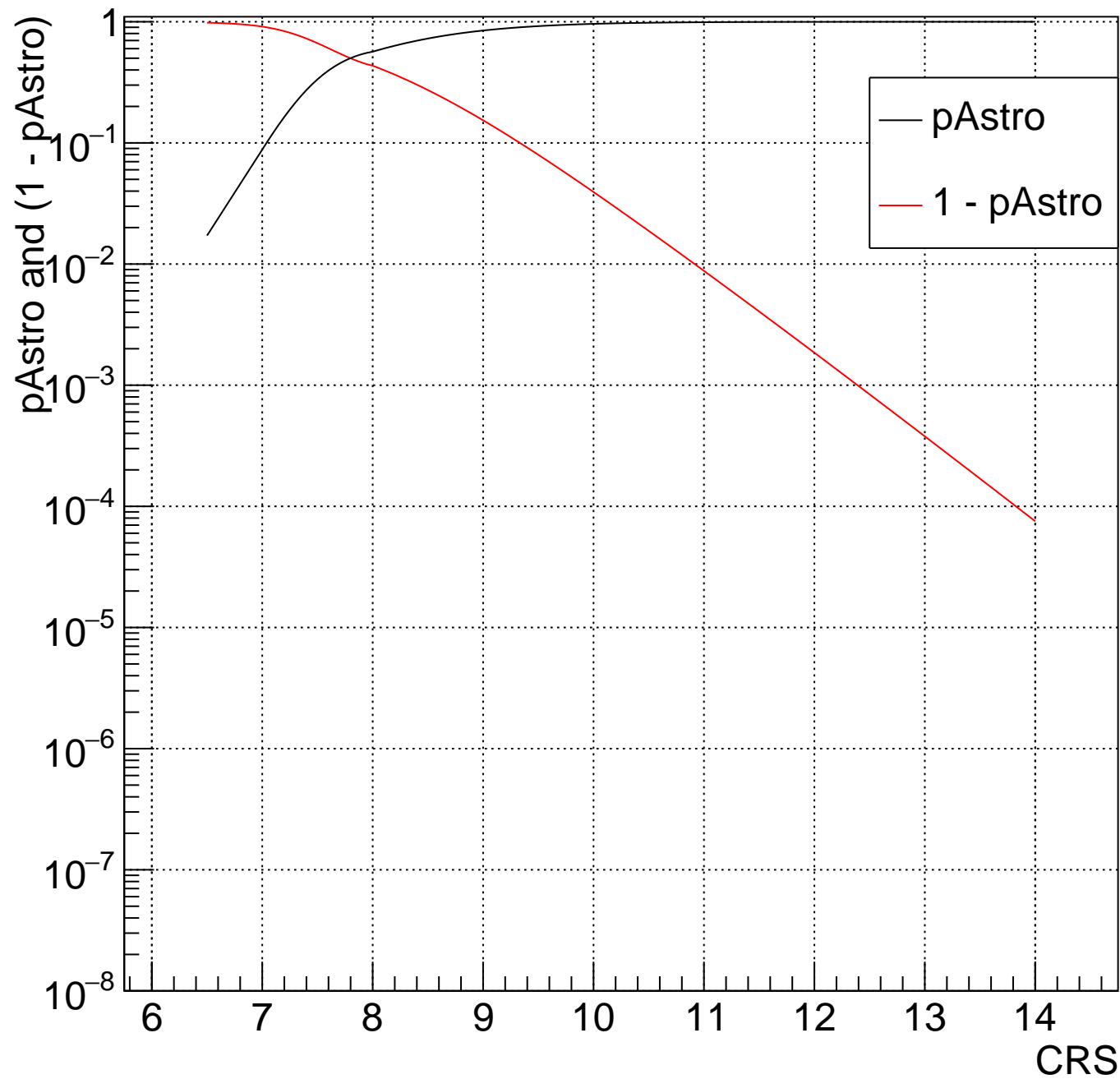
HL Bin:149 89.67<mTot<97.72 and -1<chiEff<-0.3333



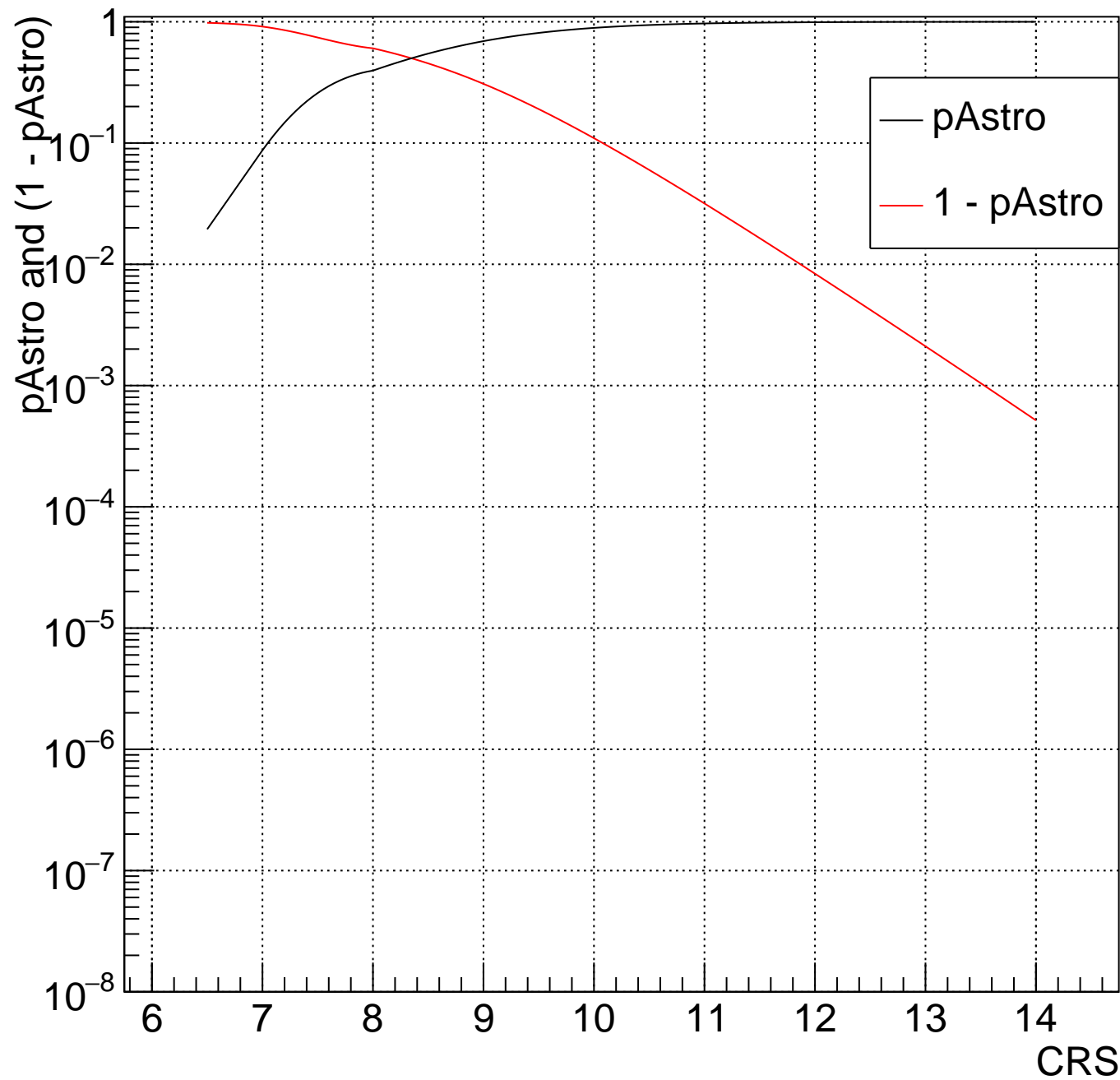
HL Bin:150  $97.72 < m_{\text{Tot}} < 106.5$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



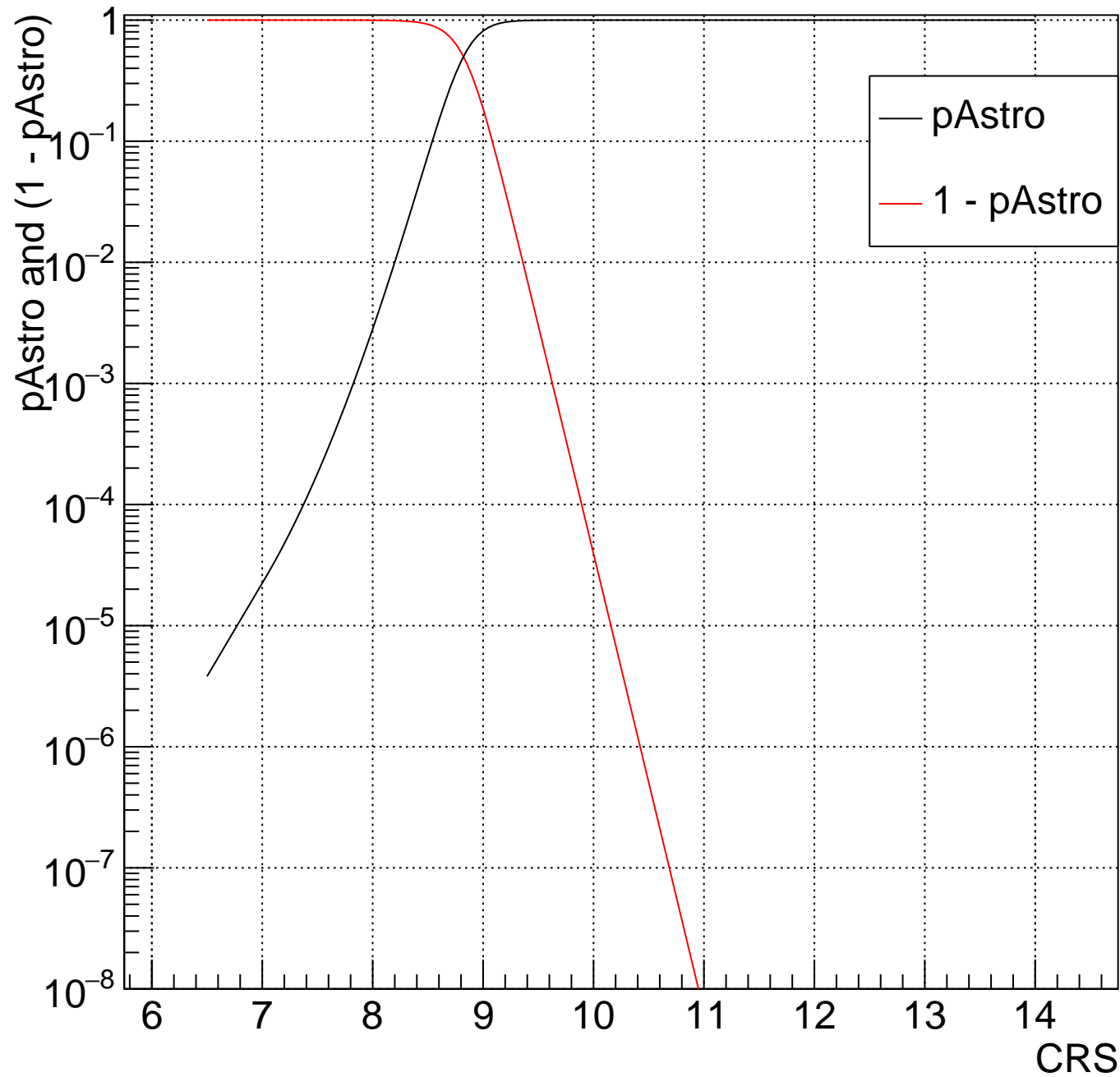
HL Bin:151  $106.5 < m_{\text{Tot}} < 116$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



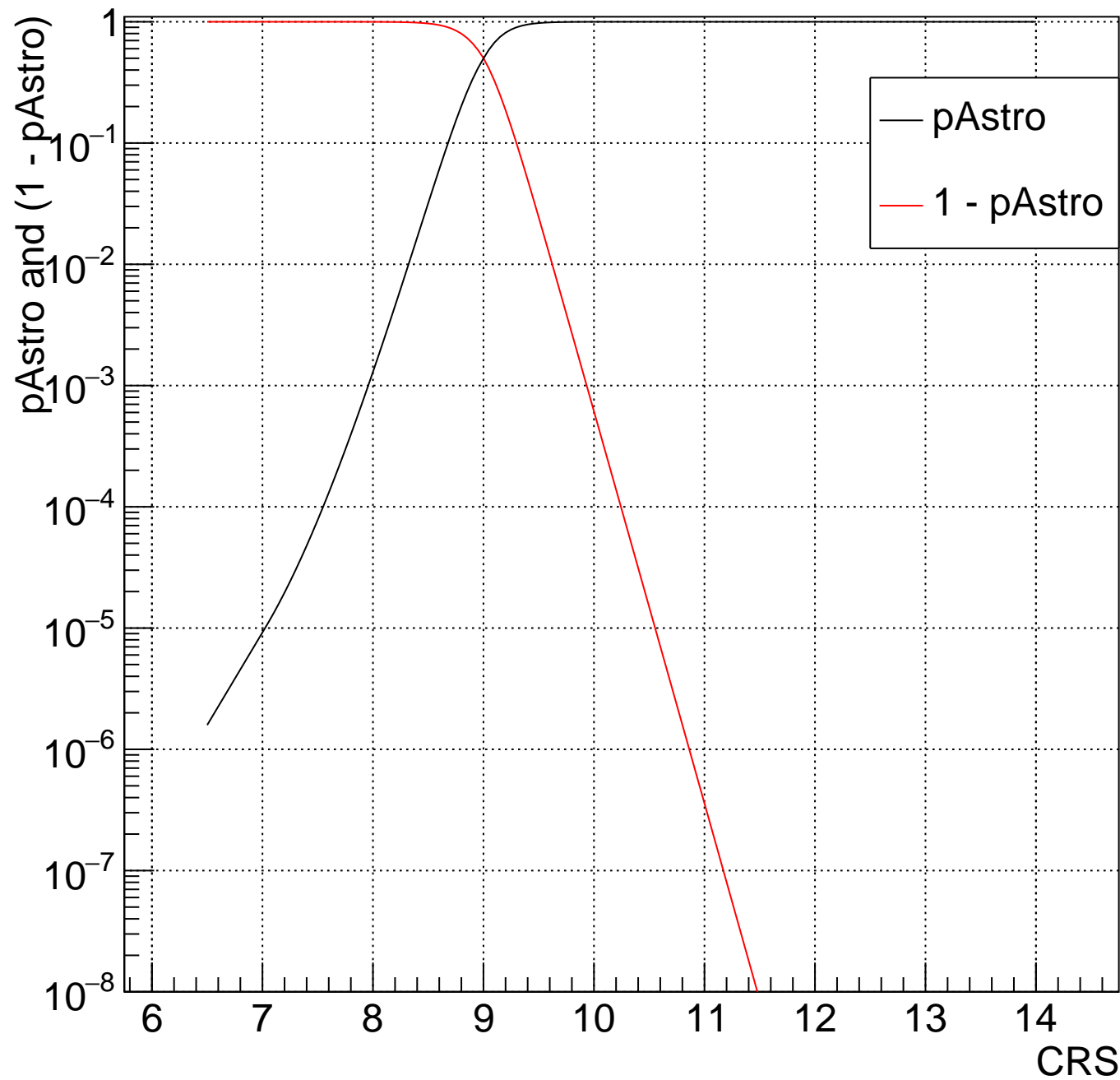
HL Bin:153  $126.4 < m_{\text{Tot}} < 137.8$  and  $-1 < \chi_{\text{Eff}} < -0.3333$



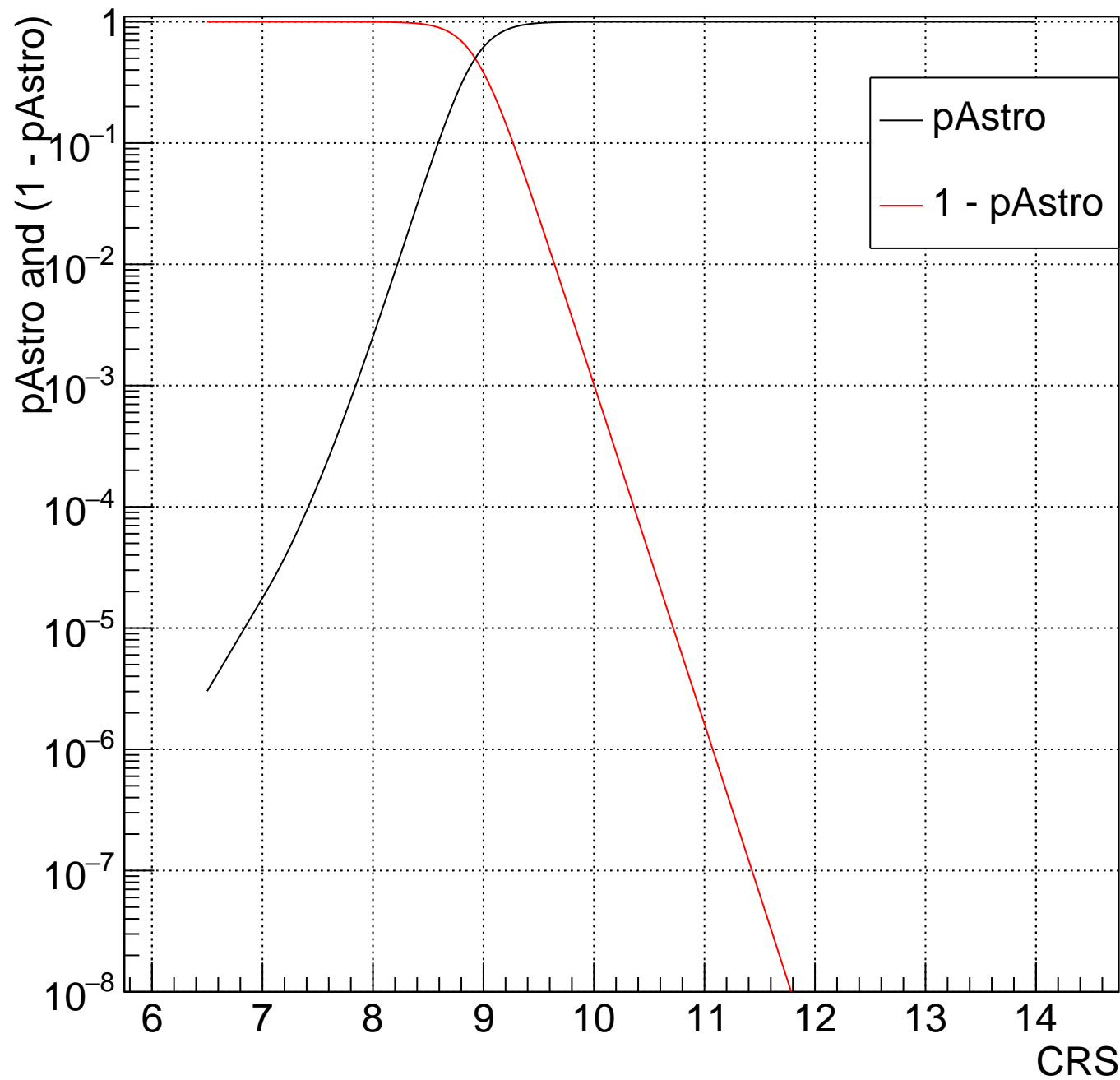
HL Bin:169 16.08<mTot<17.52 and -0.3333<chiEff<0.3333



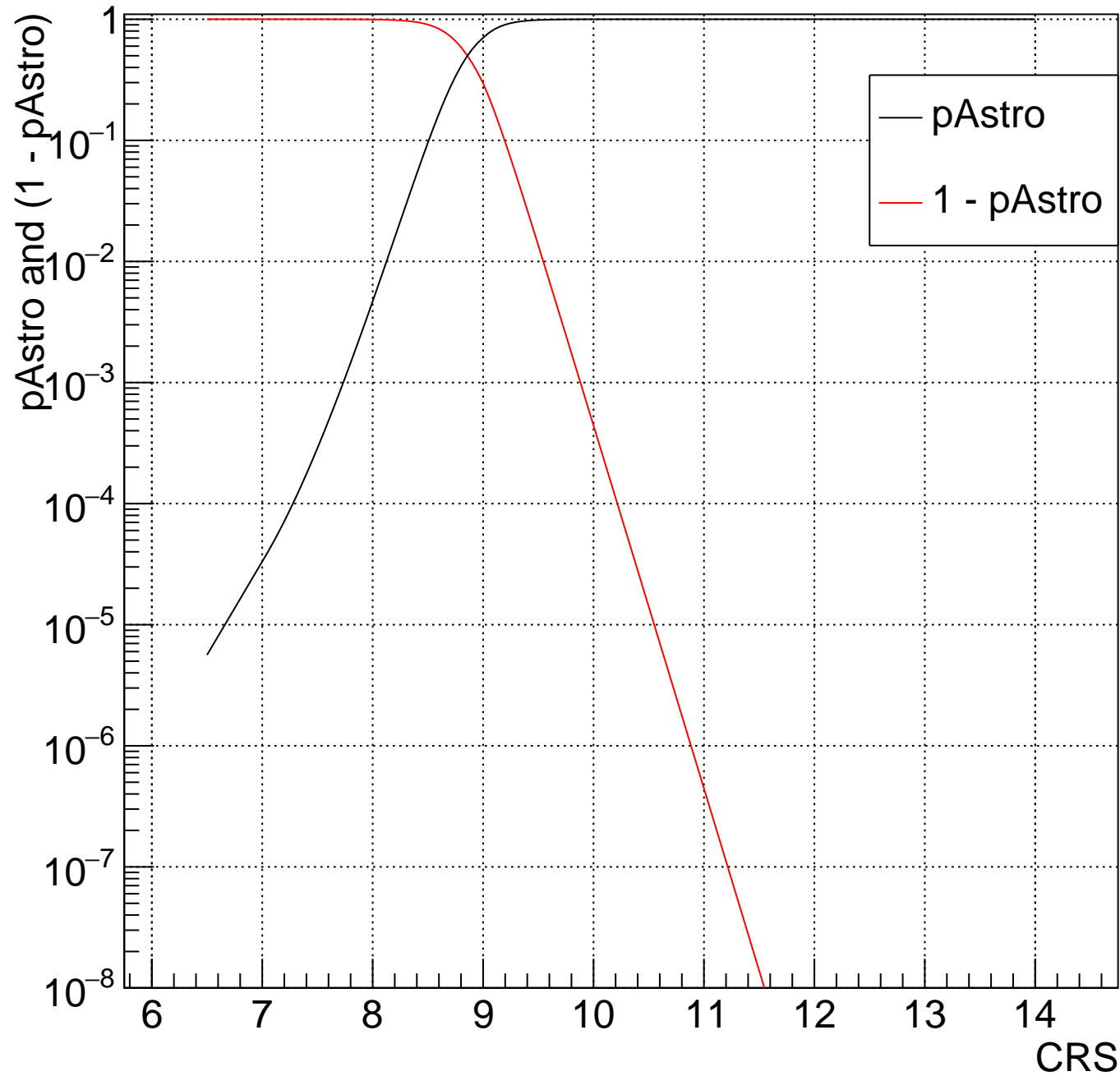
HL Bin:170  $17.52 < m_{\text{Tot}} < 19.1$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



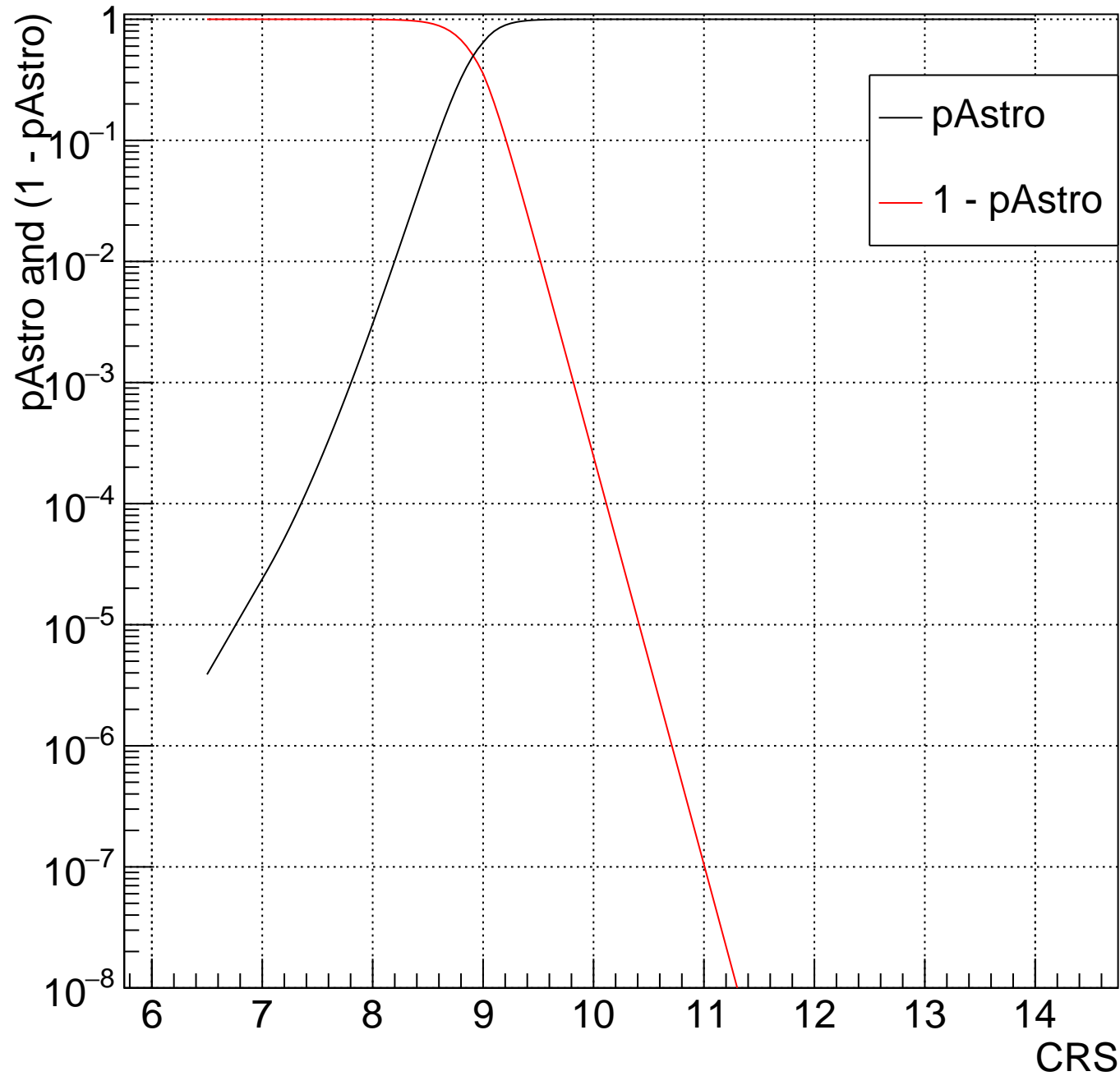
HL Bin:171  $19.1 < m_{\text{Tot}} < 20.81$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



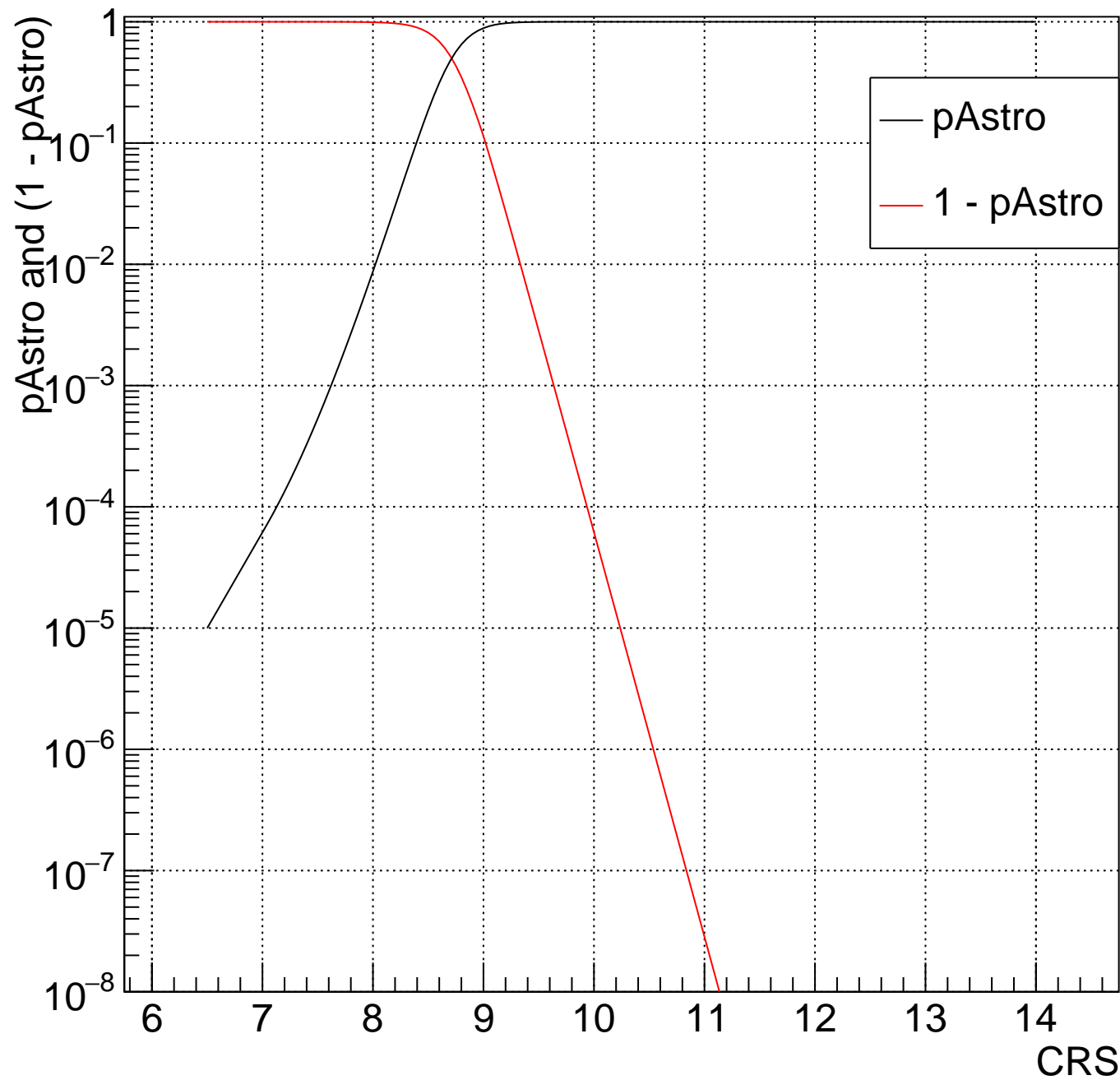
HL Bin: 172  $20.81 < m_{\text{Tot}} < 22.68$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



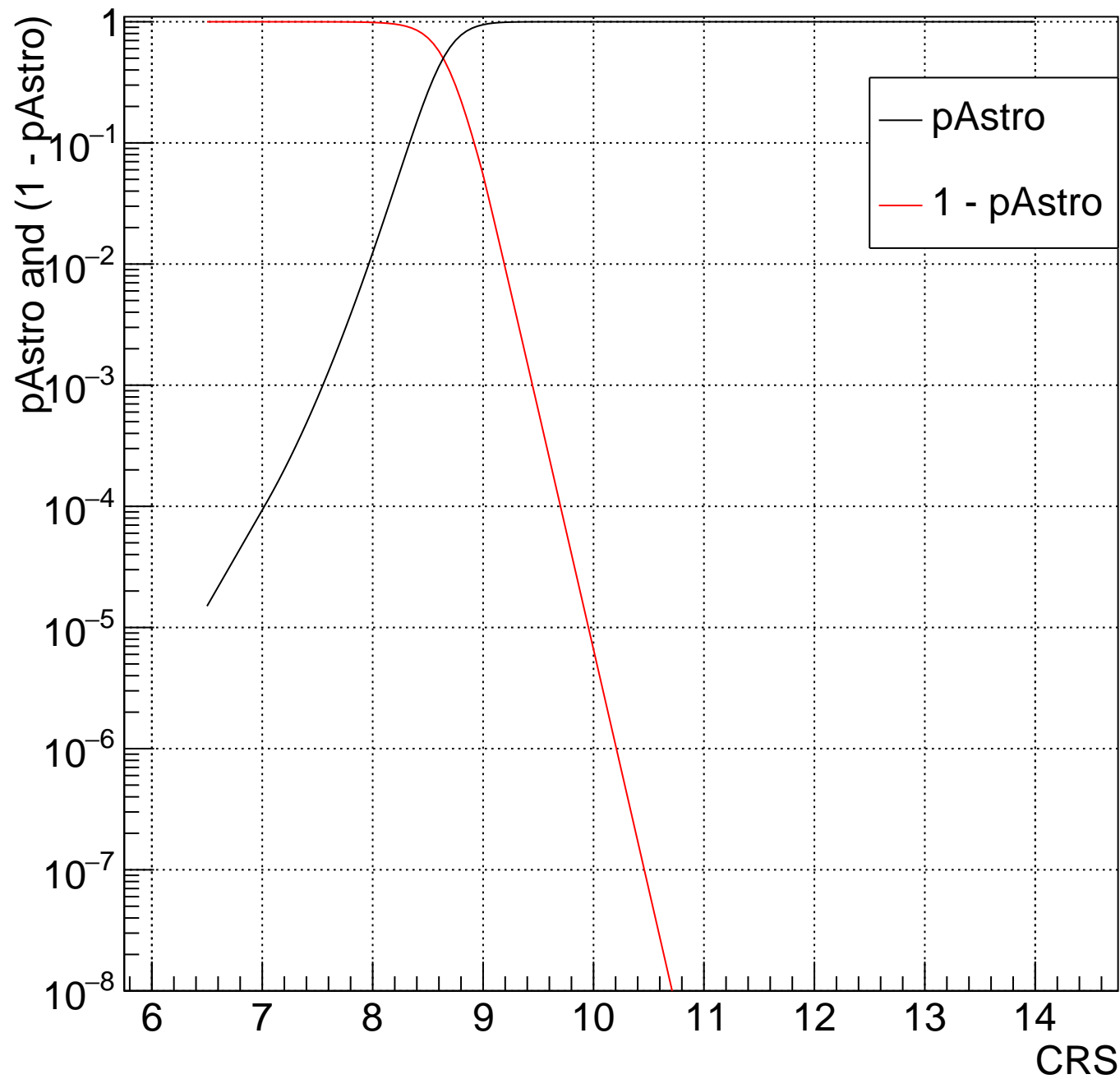
HL Bin:173  $22.68 < m_{\text{Tot}} < 24.71$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



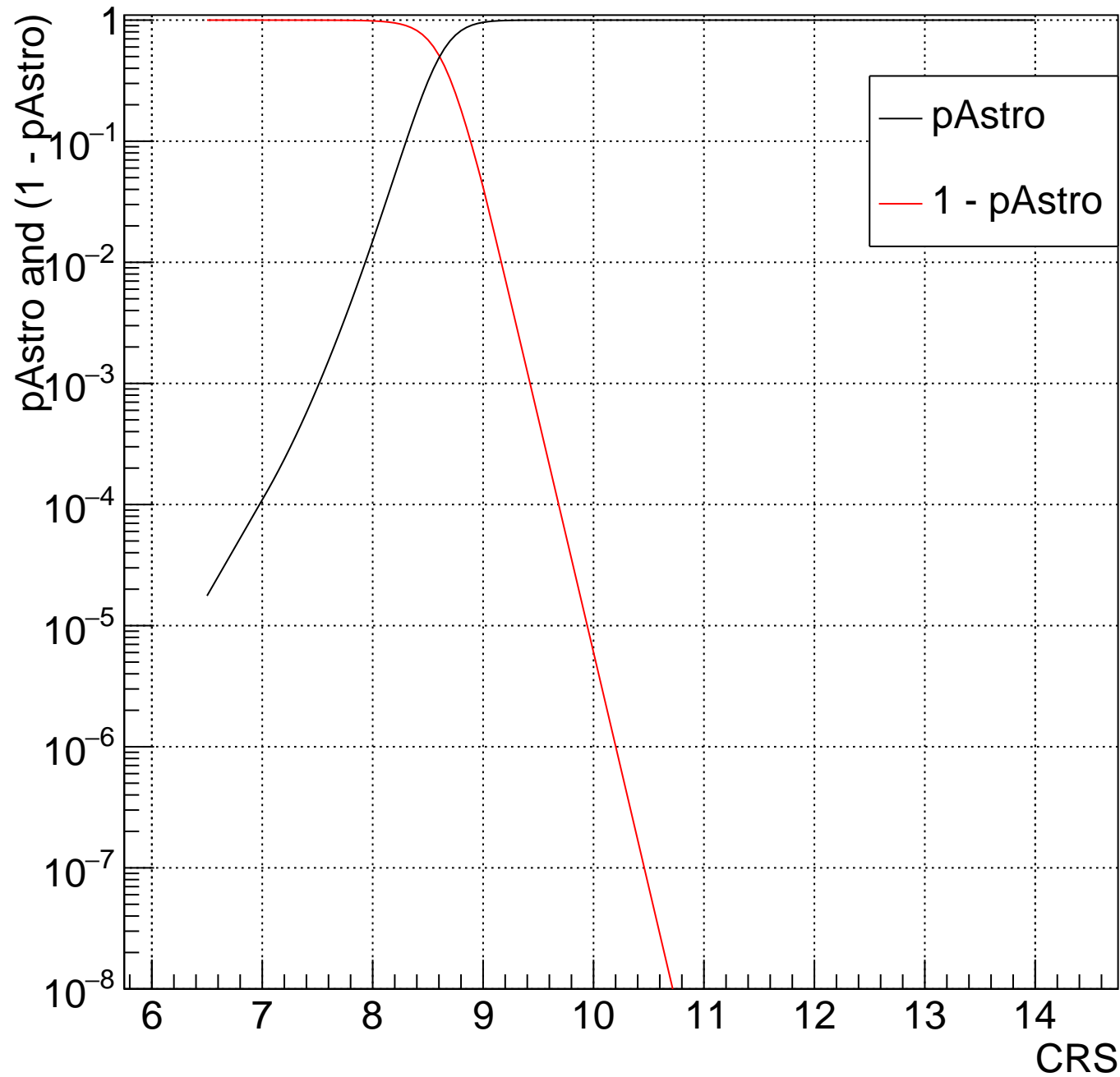
HL Bin:174  $24.71 < m_{\text{Tot}} < 26.93$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



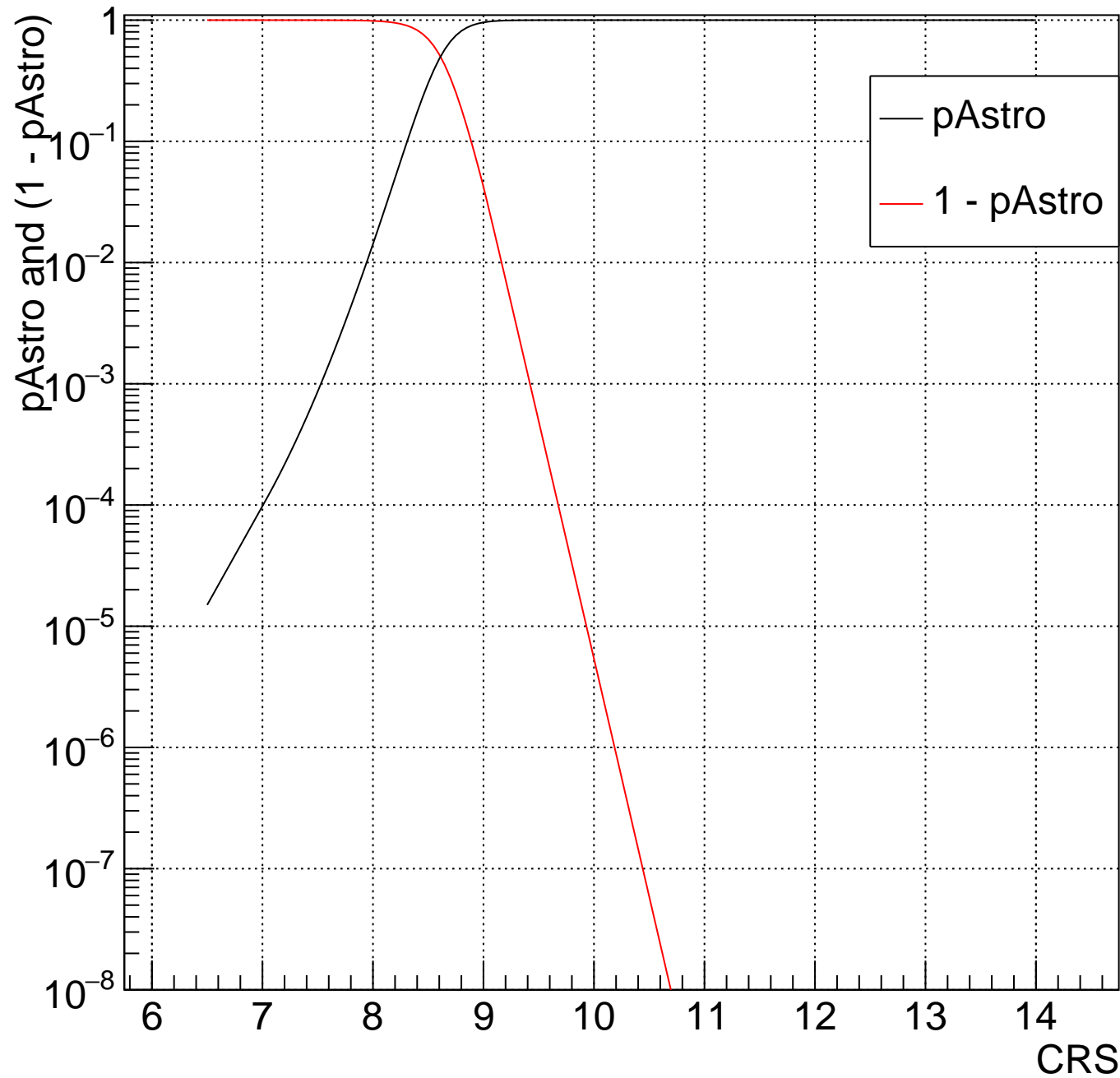
HL Bin: 175  $26.93 < m_{\text{Tot}} < 29.35$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



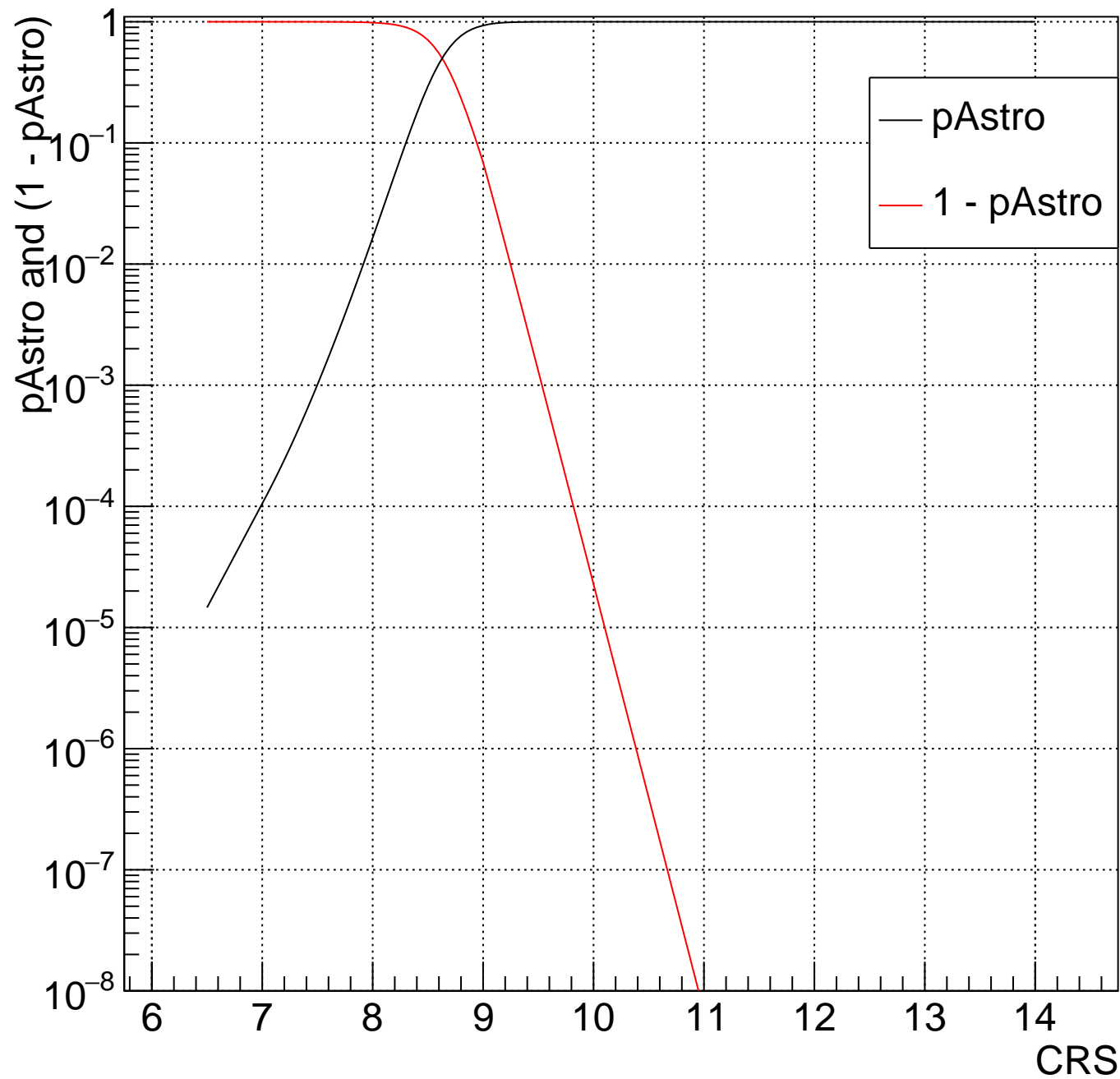
HL Bin: 176  $29.35 < m_{\text{Tot}} < 31.98$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



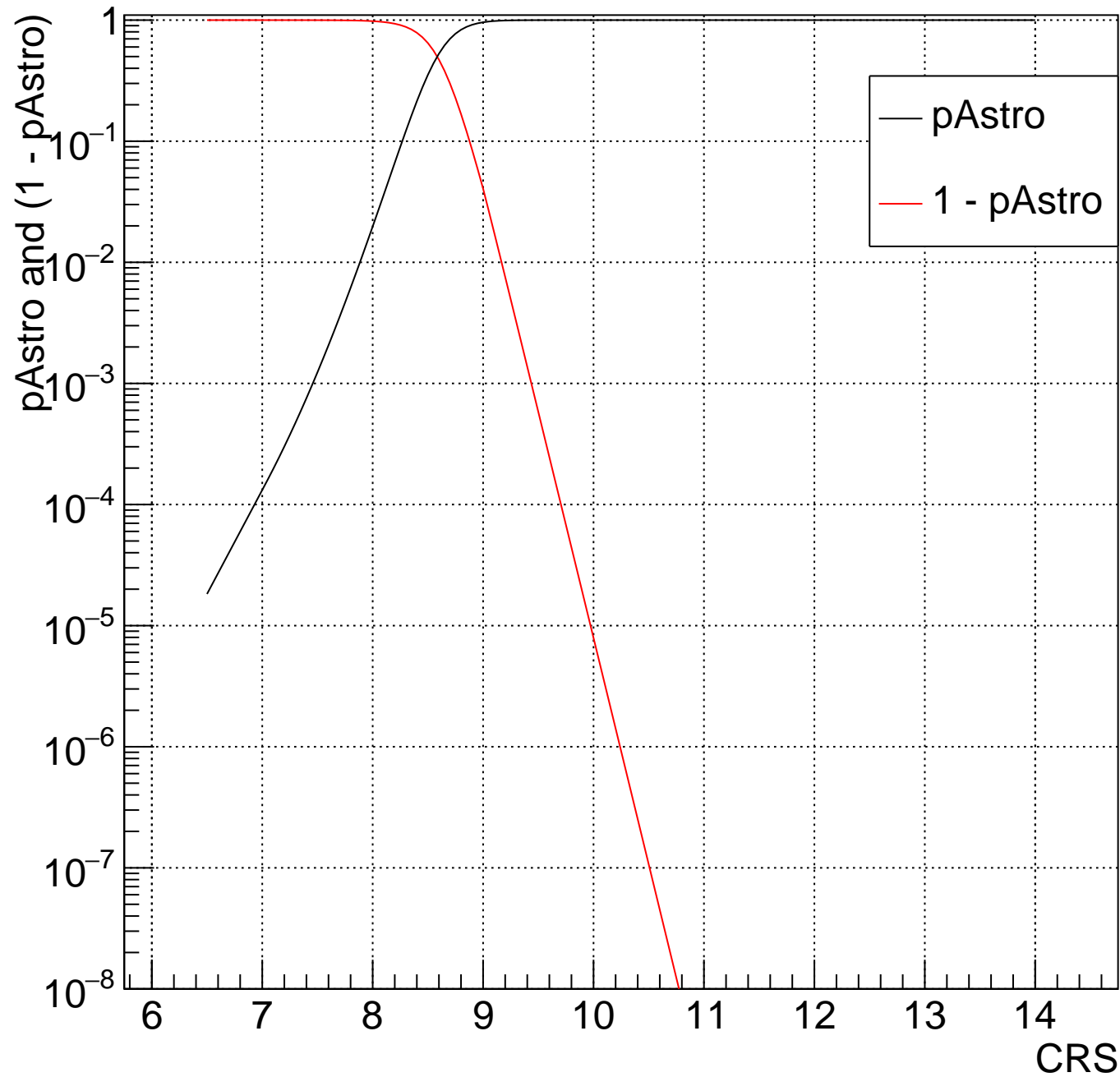
HL Bin: 177  $31.98 < m_{\text{Tot}} < 34.85$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



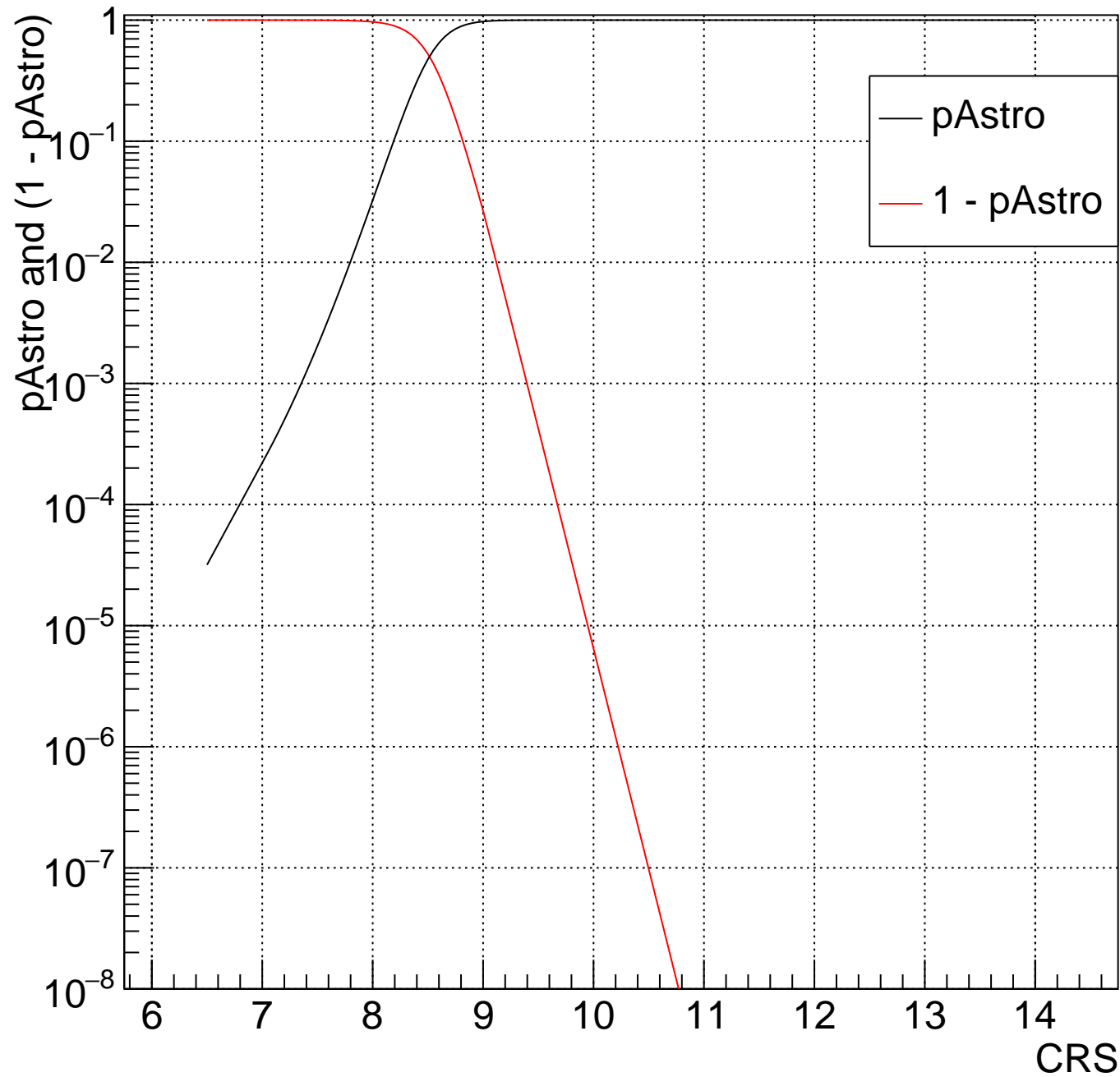
HL Bin: 178  $34.85 < m_{\text{Tot}} < 37.97$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



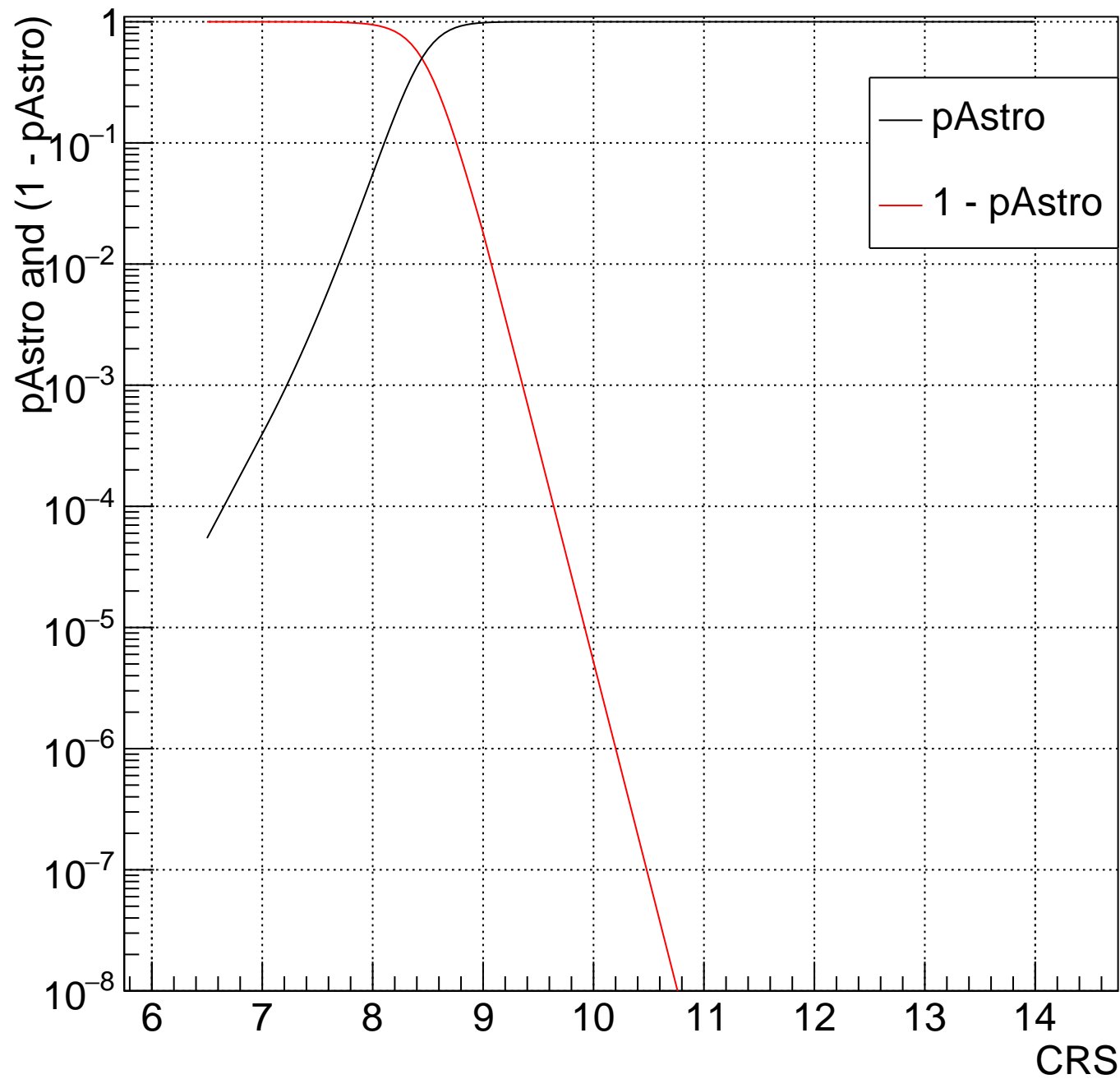
HL Bin: 179  $37.97 < m_{\text{Tot}} < 41.38$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



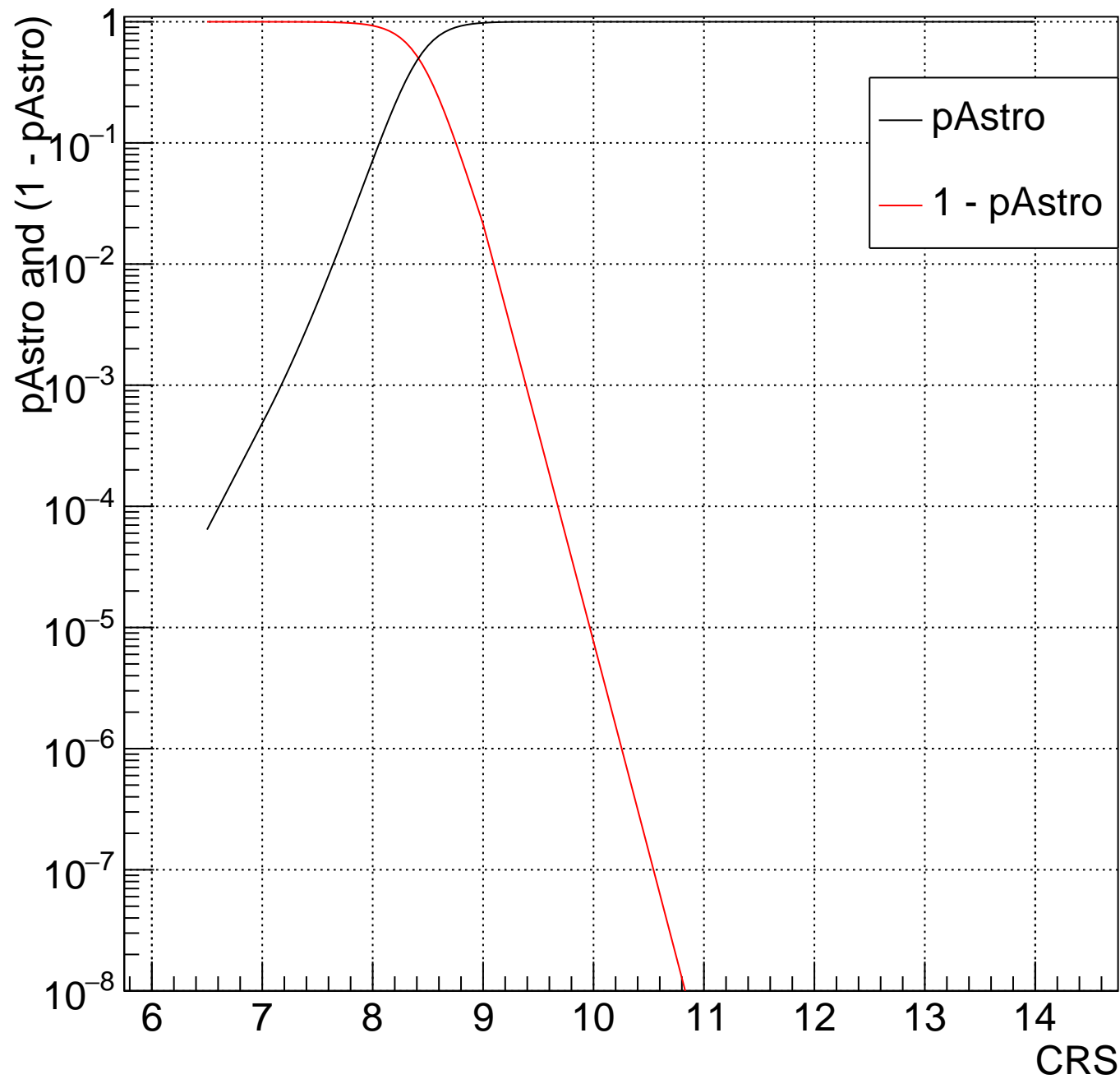
HL Bin:180  $41.38 < m_{\text{Tot}} < 45.09$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



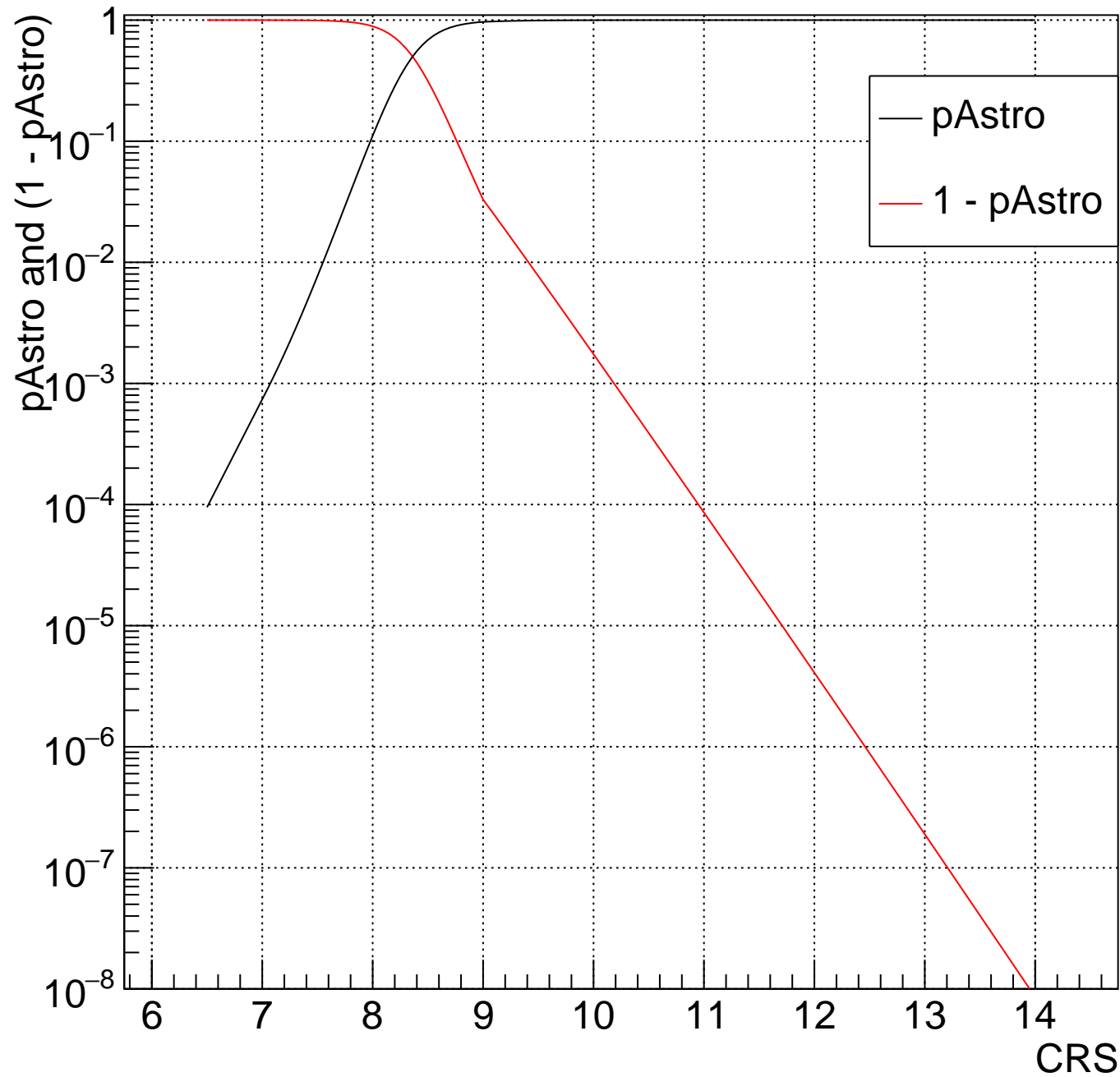
HL Bin:181  $45.09 < m_{\text{Tot}} < 49.14$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



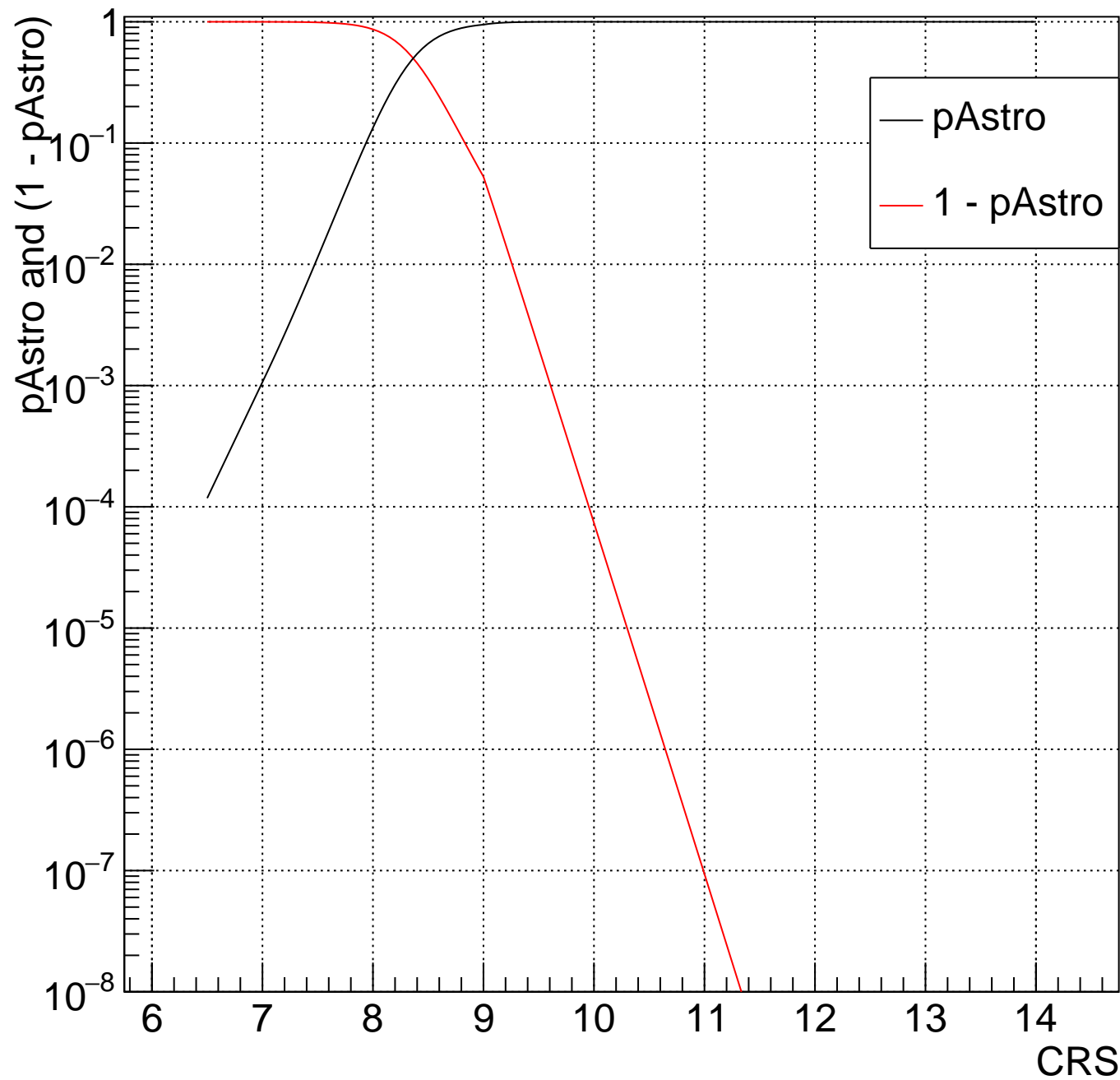
HL Bin:182  $49.14 < m_{\text{Tot}} < 53.55$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



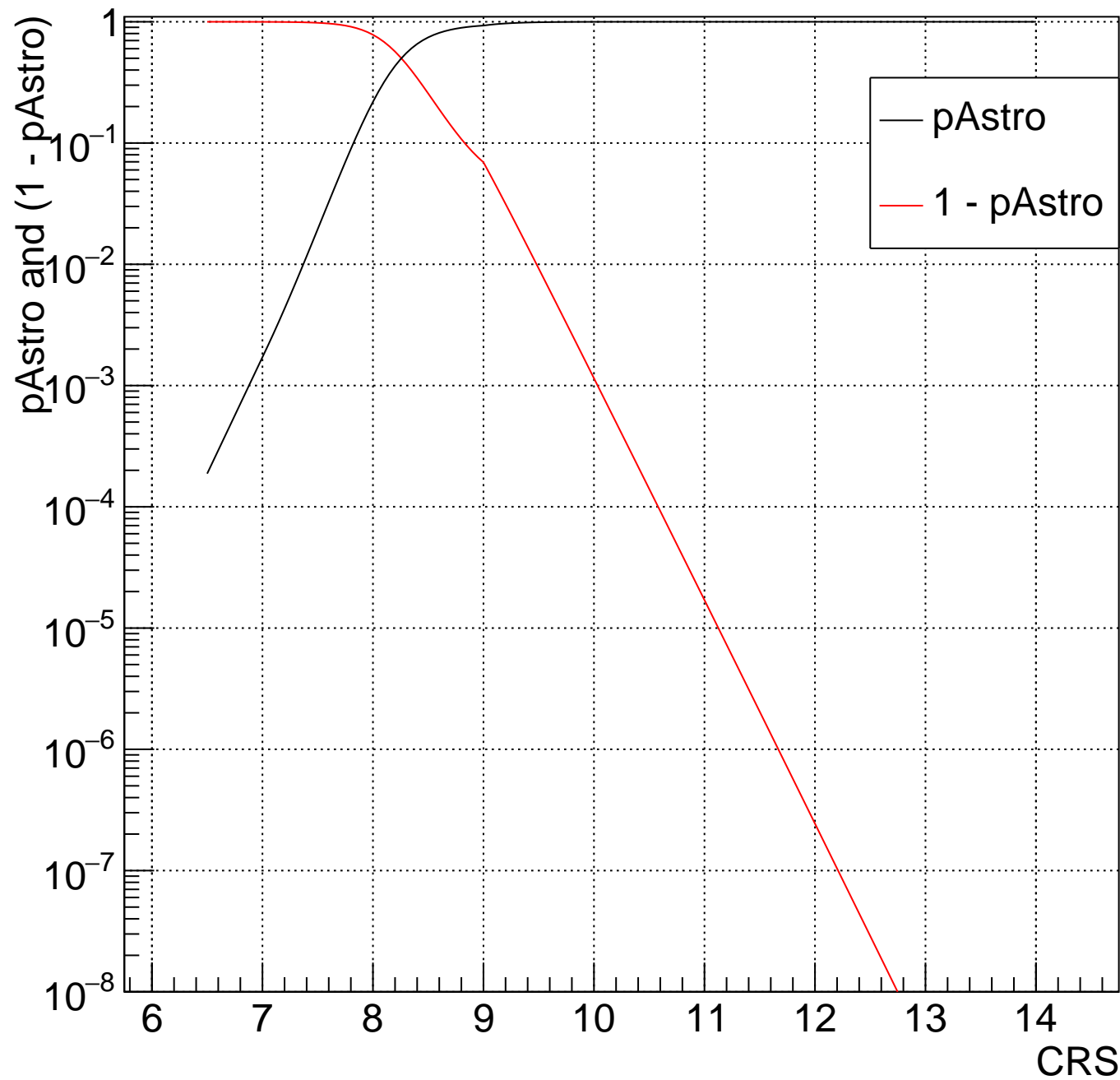
HL Bin:183  $53.55 < m_{\text{Tot}} < 58.35$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



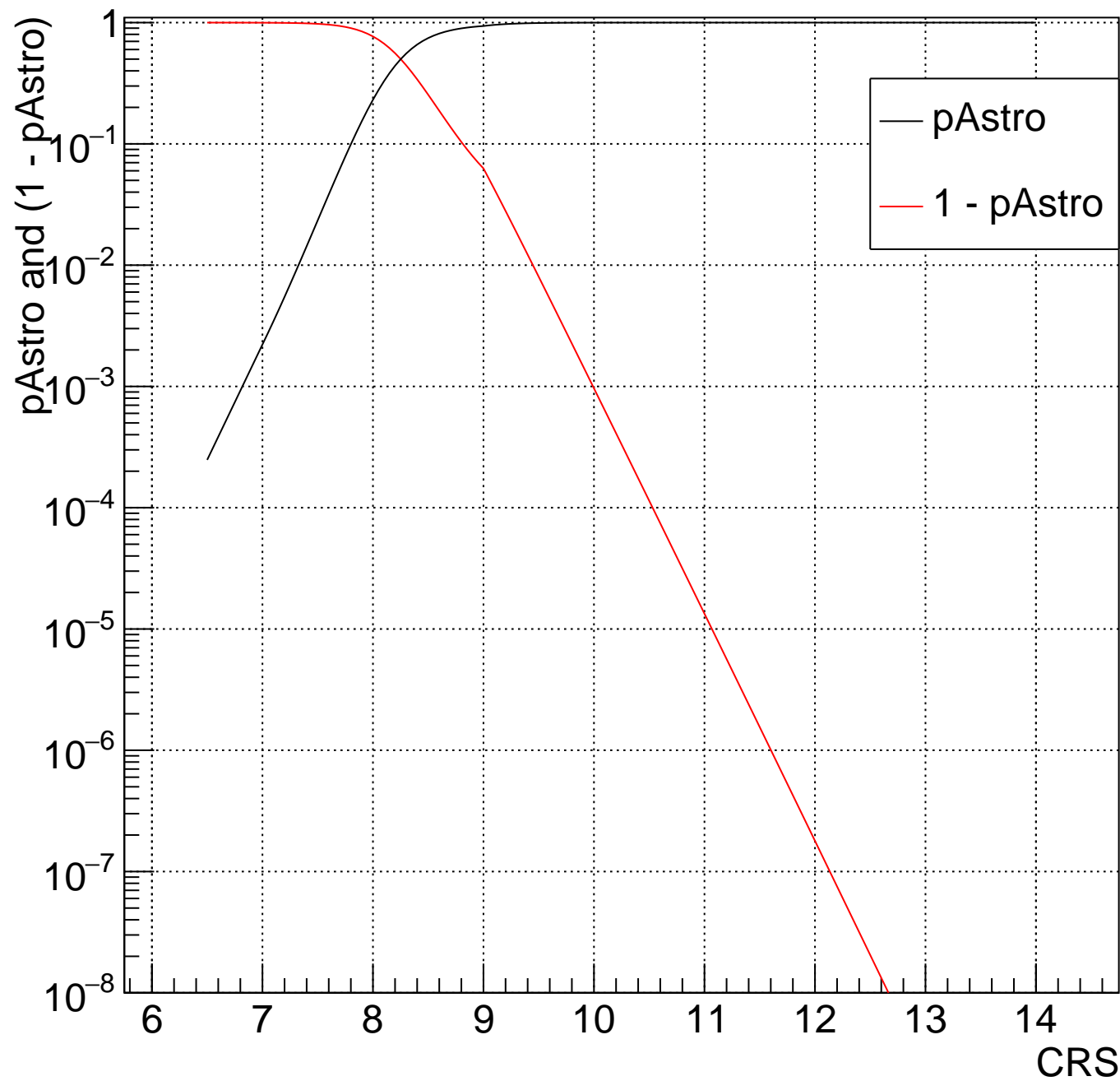
HL Bin:184  $58.35 < m_{\text{Tot}} < 63.59$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



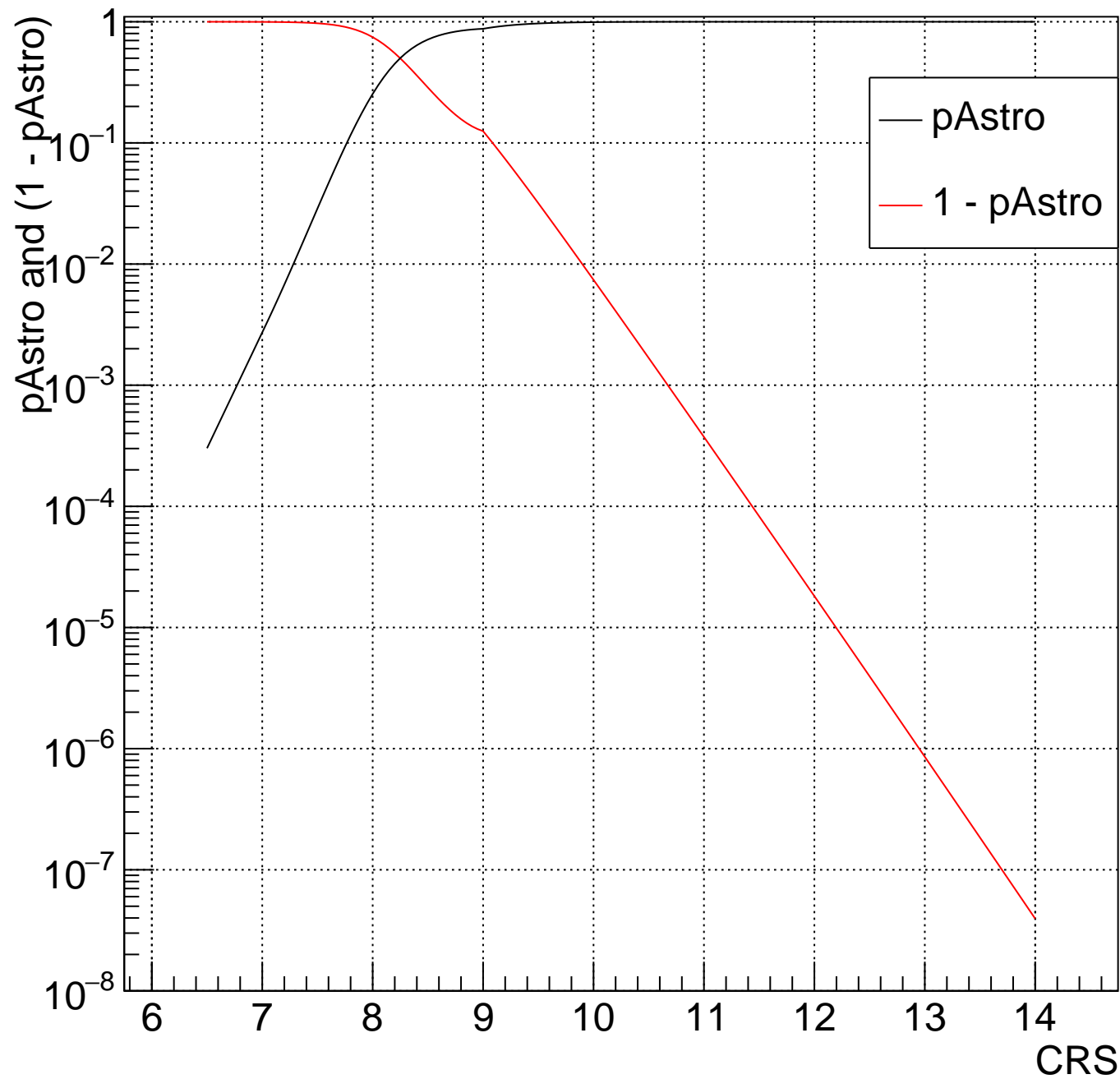
HL Bin: 185  $63.59 < m_{\text{Tot}} < 69.3$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



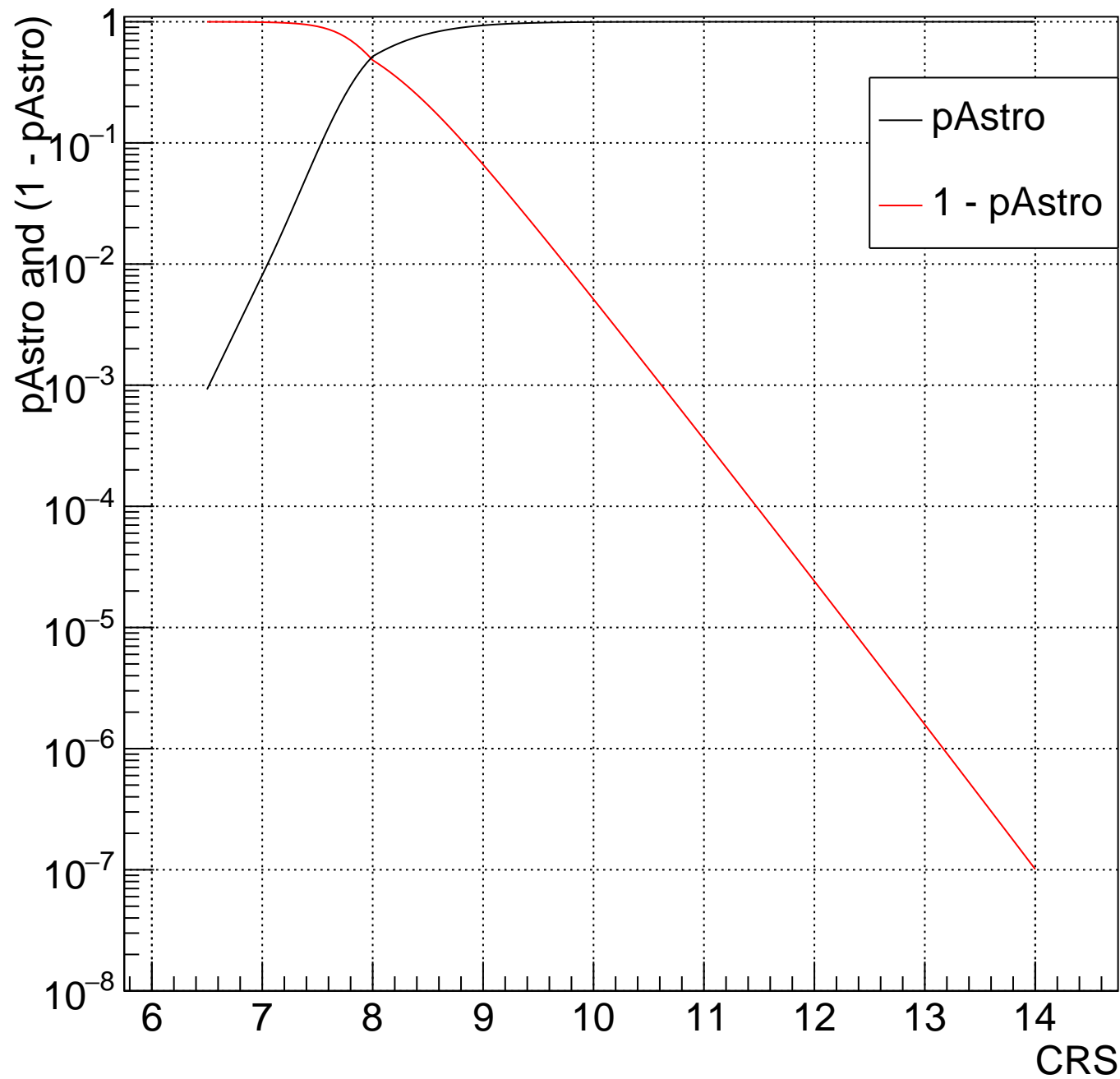
HL Bin: 186  $69.3 < m_{\text{Tot}} < 75.51$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



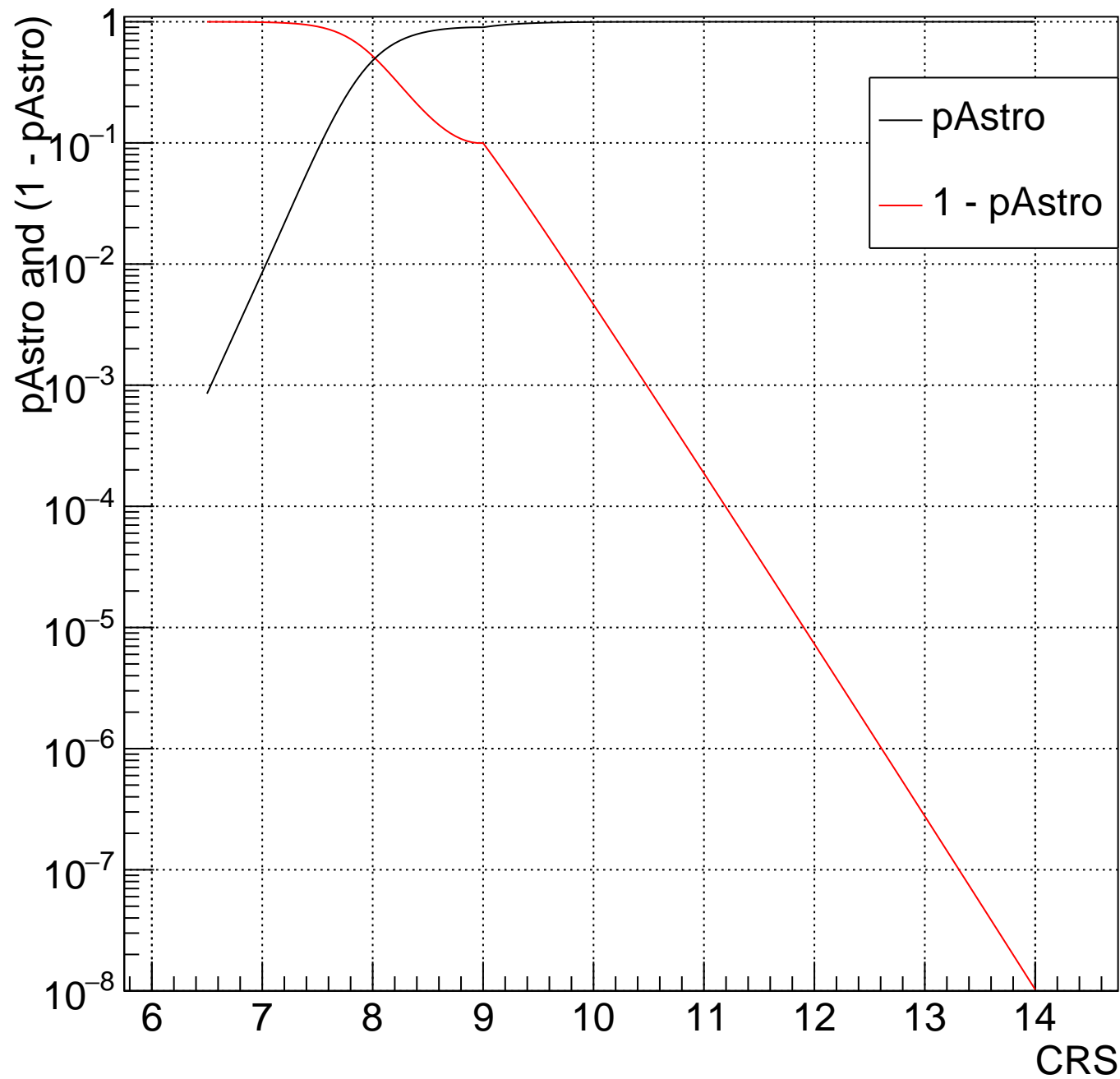
HL Bin:187 75.51<mTot<82.29 and -0.3333<chiEff<0.3333



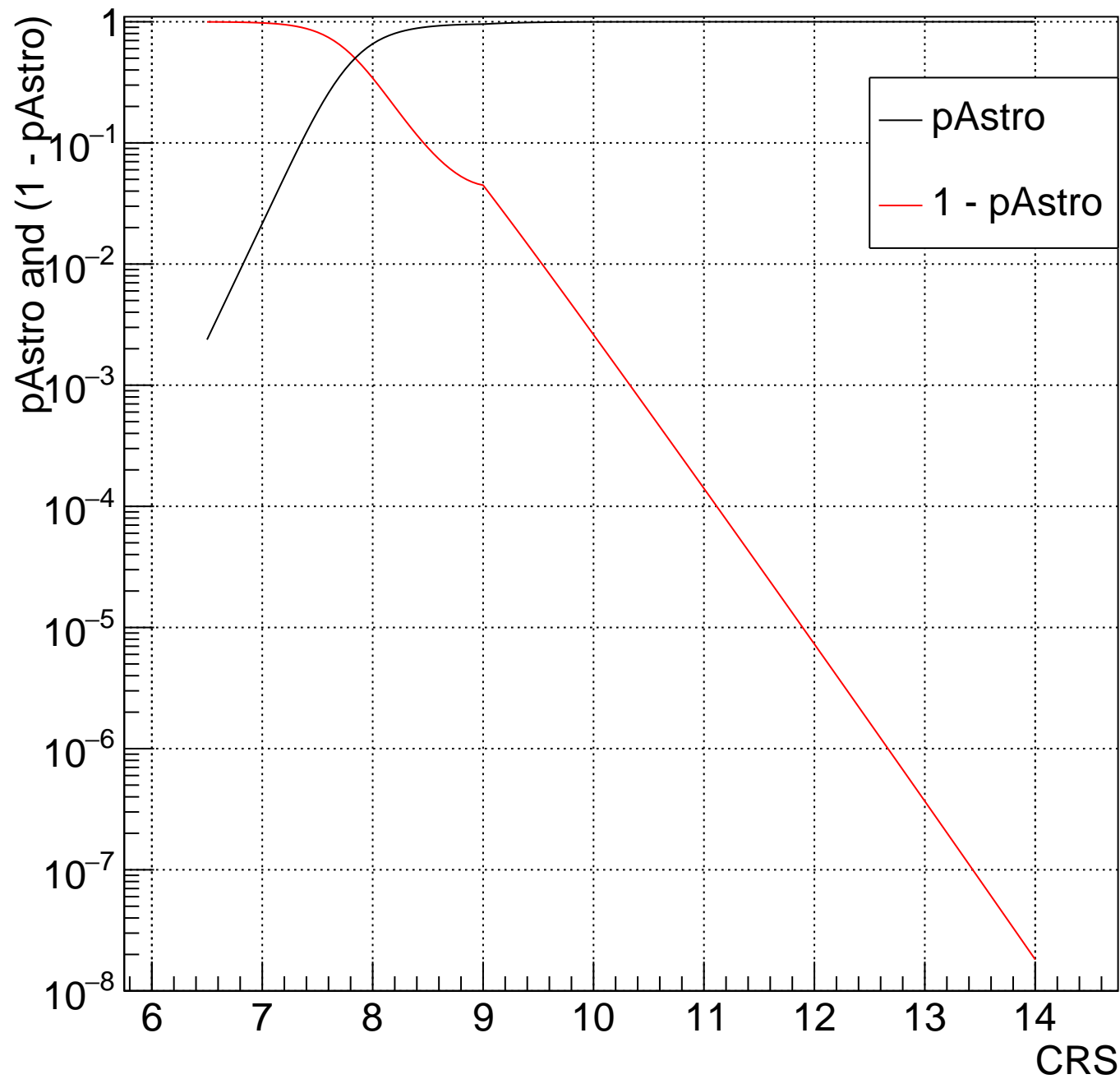
HL Bin:  $188 < m_{\text{Tot}} < 89.67$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



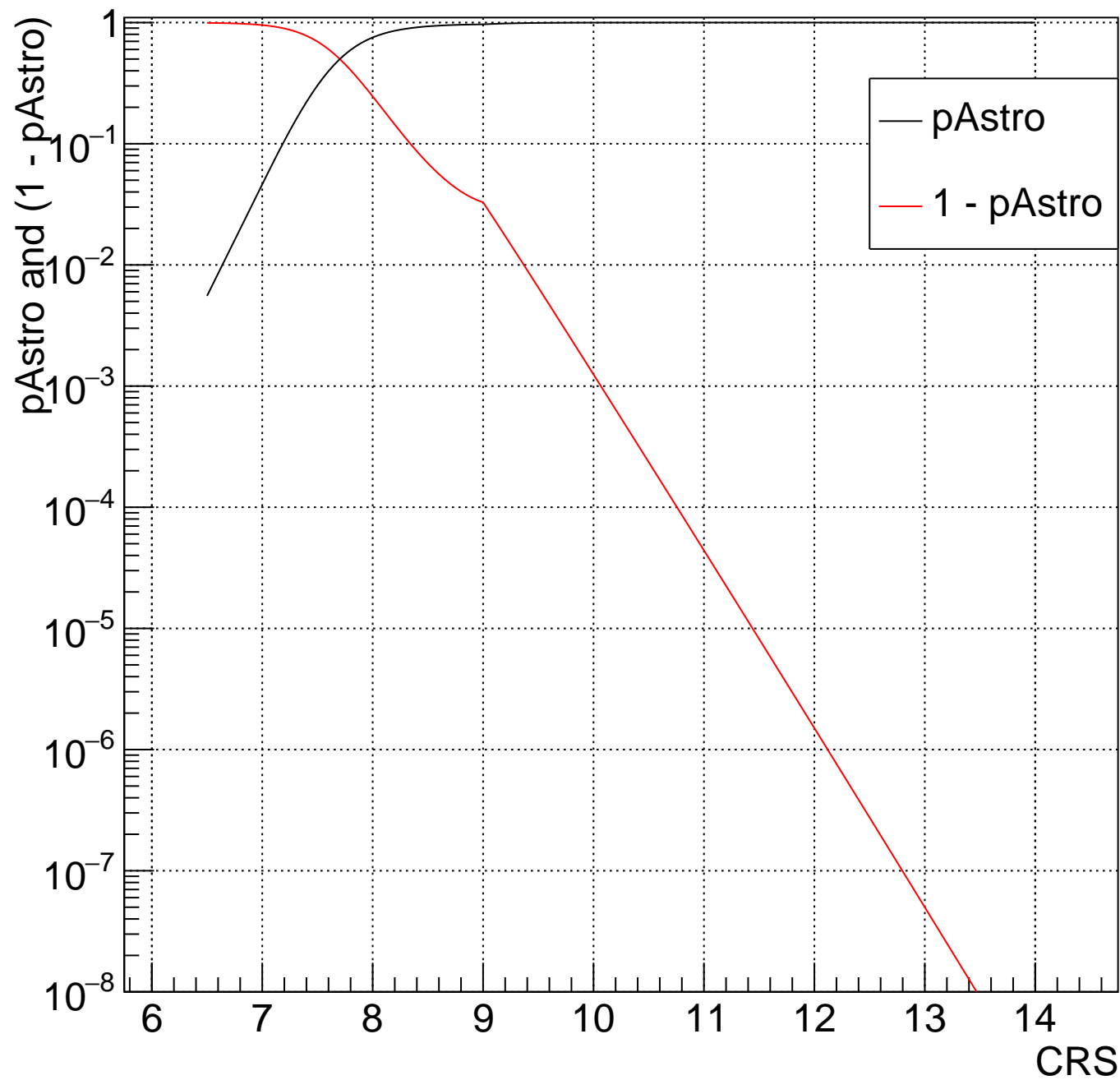
HL Bin:189 89.67<mTot<97.72 and -0.3333<chiEff<0.3333



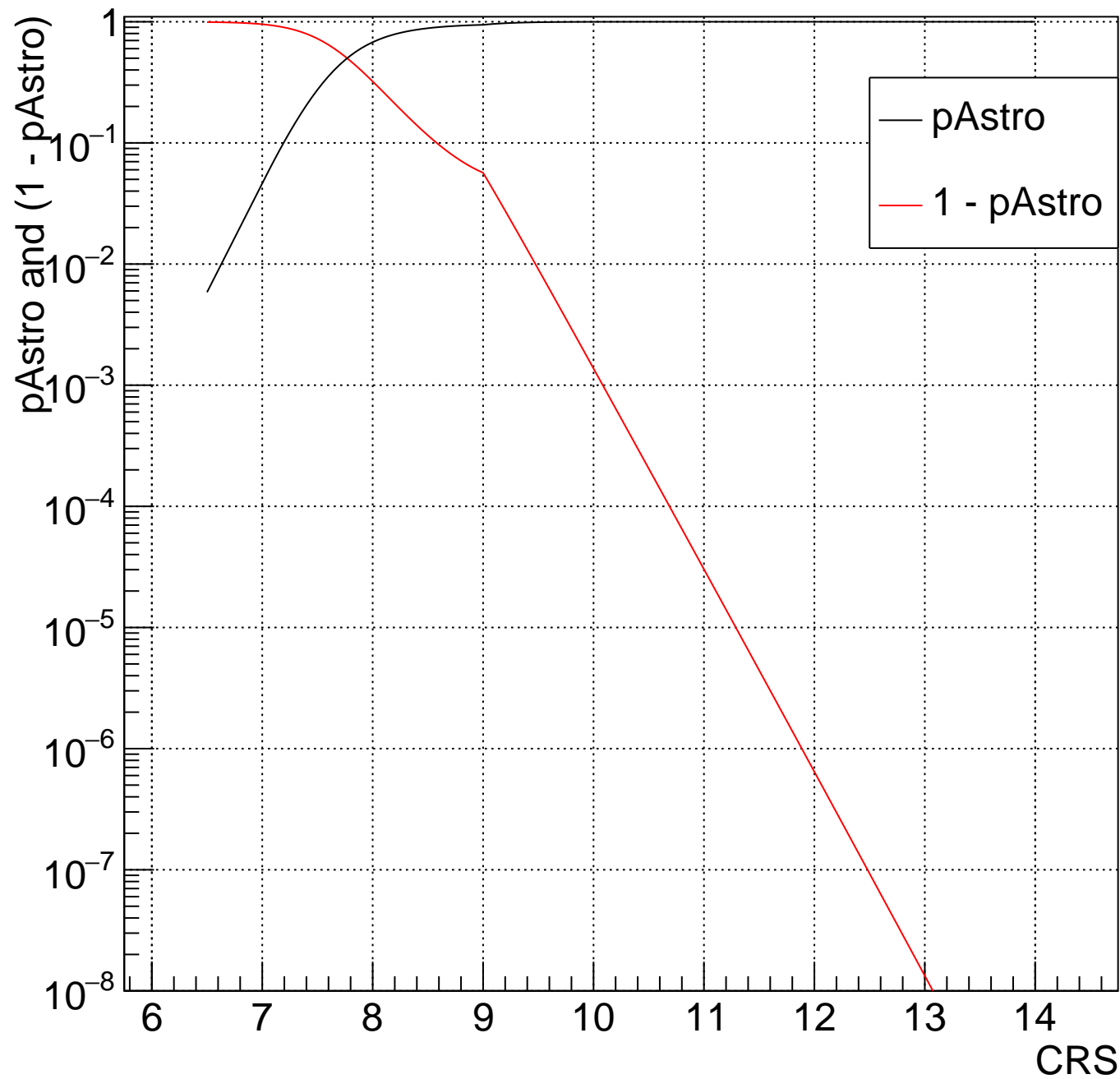
HL Bin:  $190 < m_{\text{Tot}} < 106.5$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



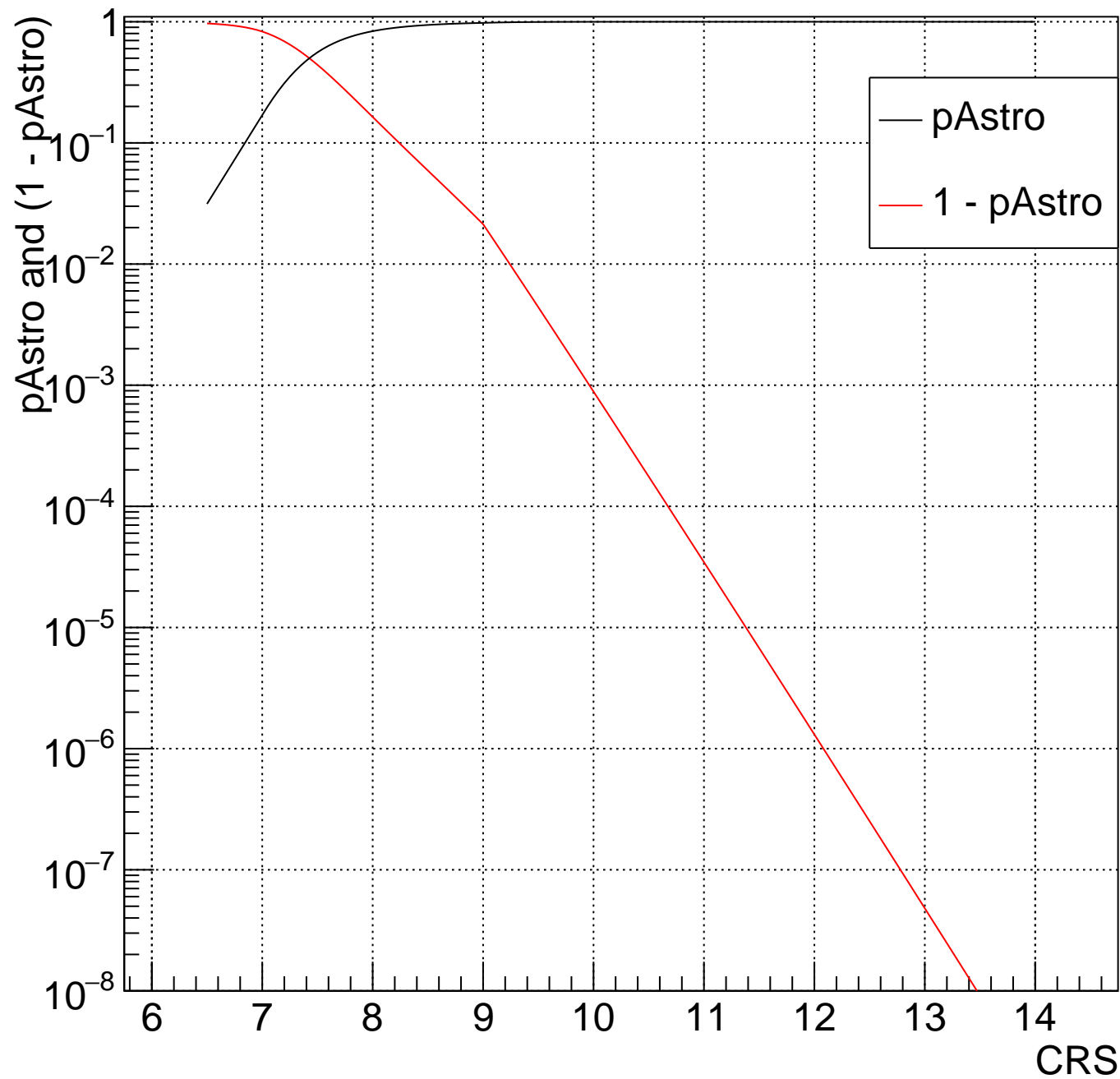
HL Bin:191  $106.5 < m_{\text{Tot}} < 116$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



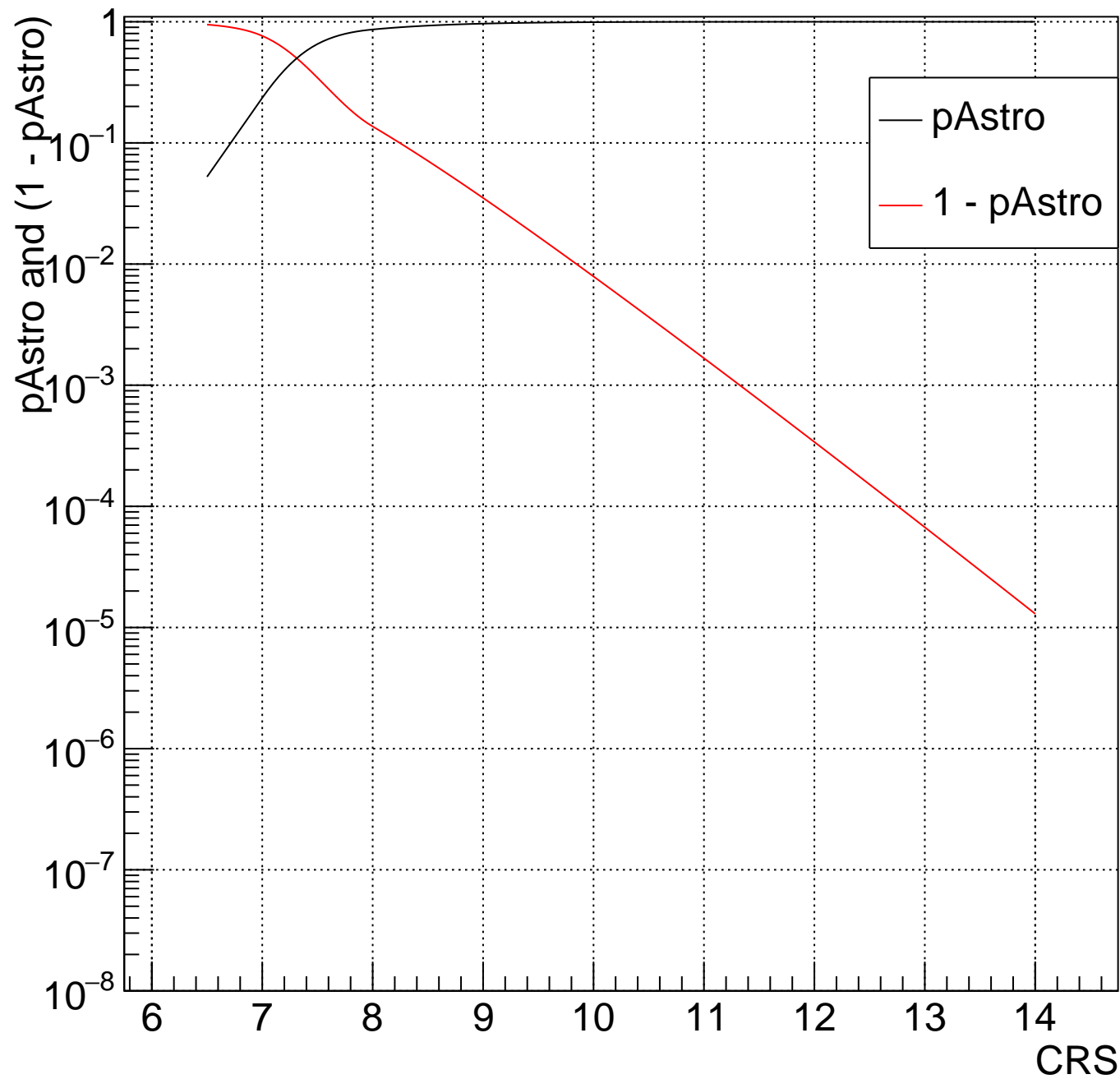
HL Bin:192 116<mTot<126.4 and -0.3333<chiEff<0.3333



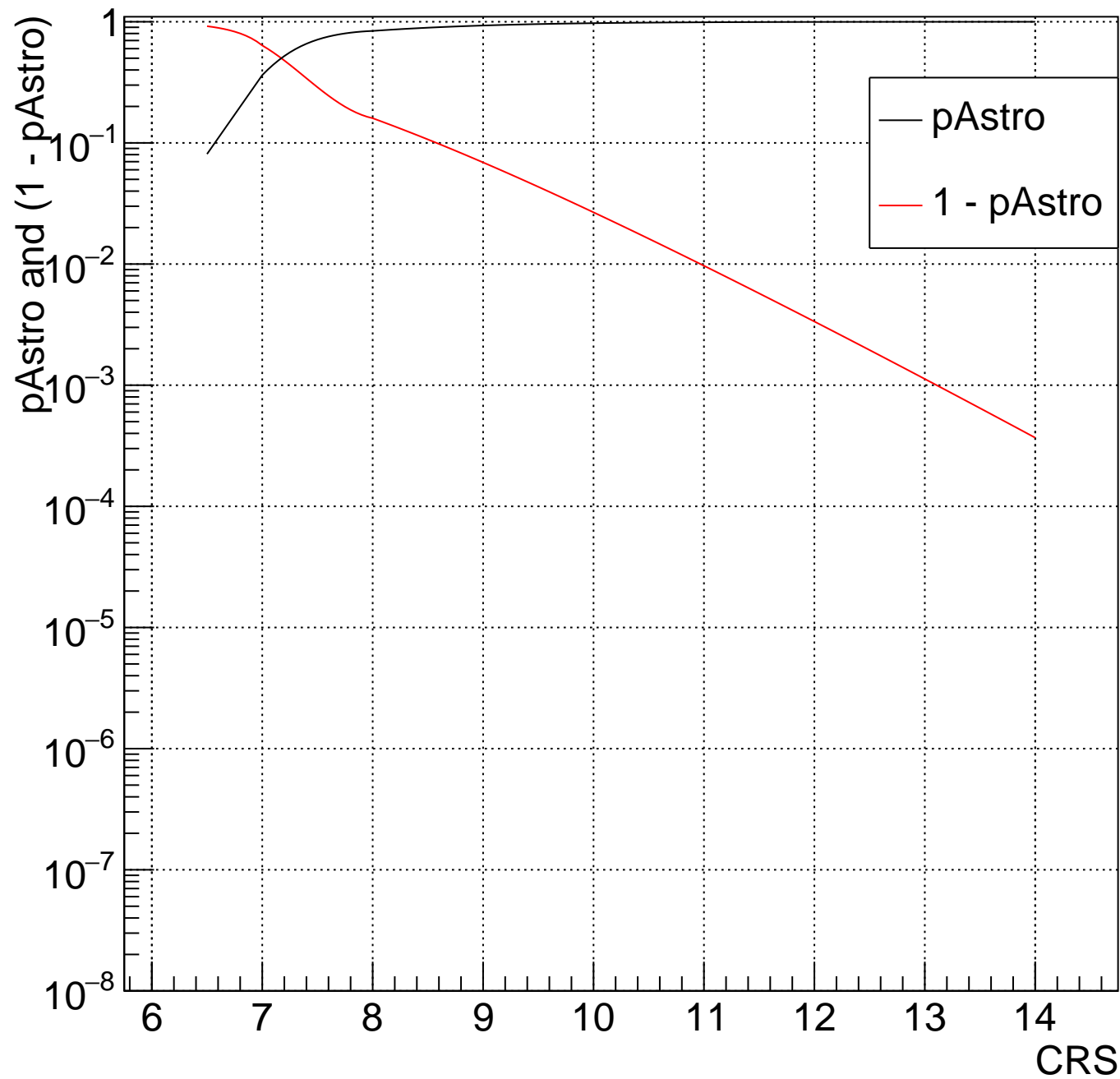
HL Bin:193  $126.4 < m_{\text{Tot}} < 137.8$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



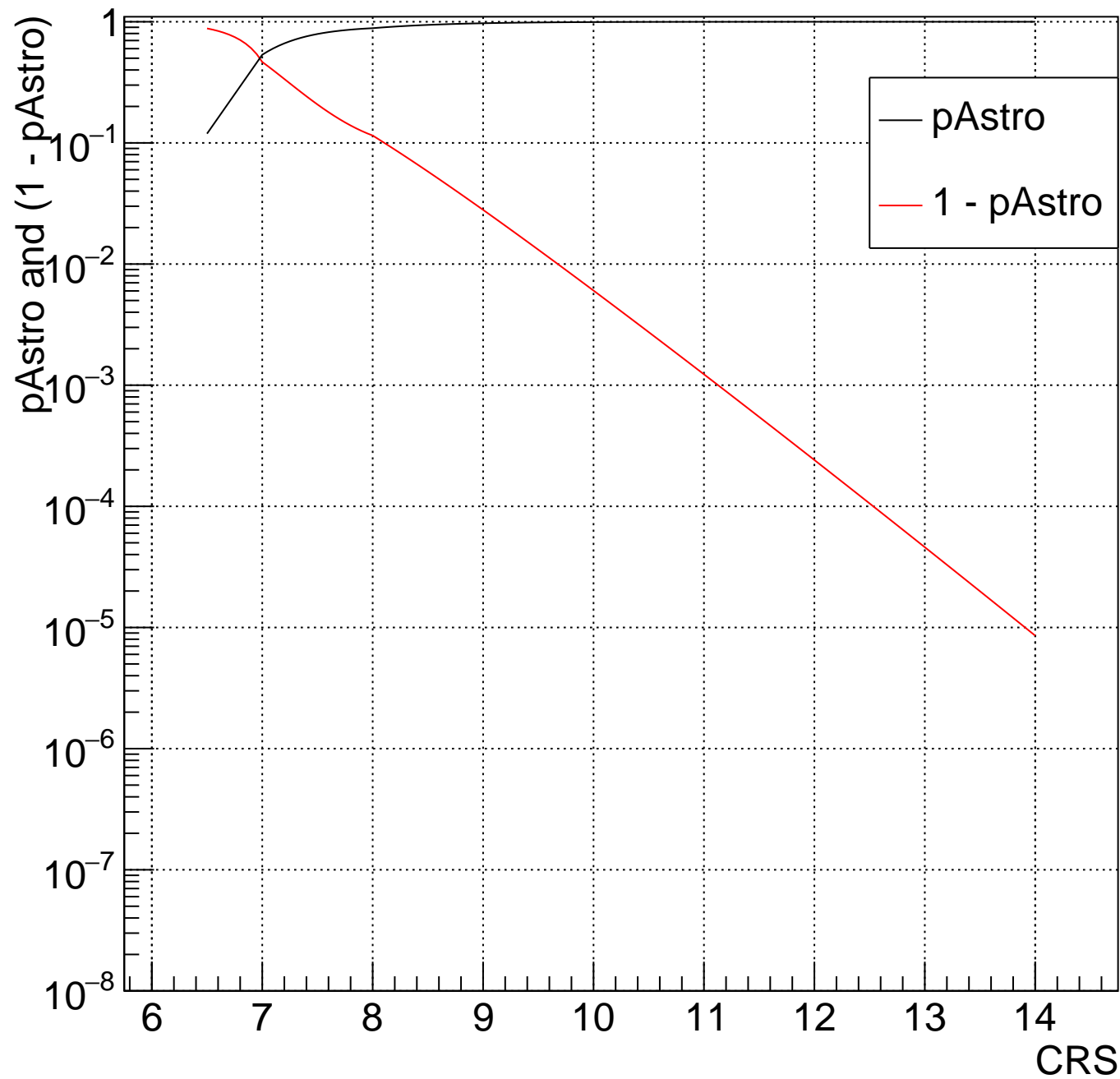
HL Bin:194  $137.8 < m_{\text{Tot}} < 150.2$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



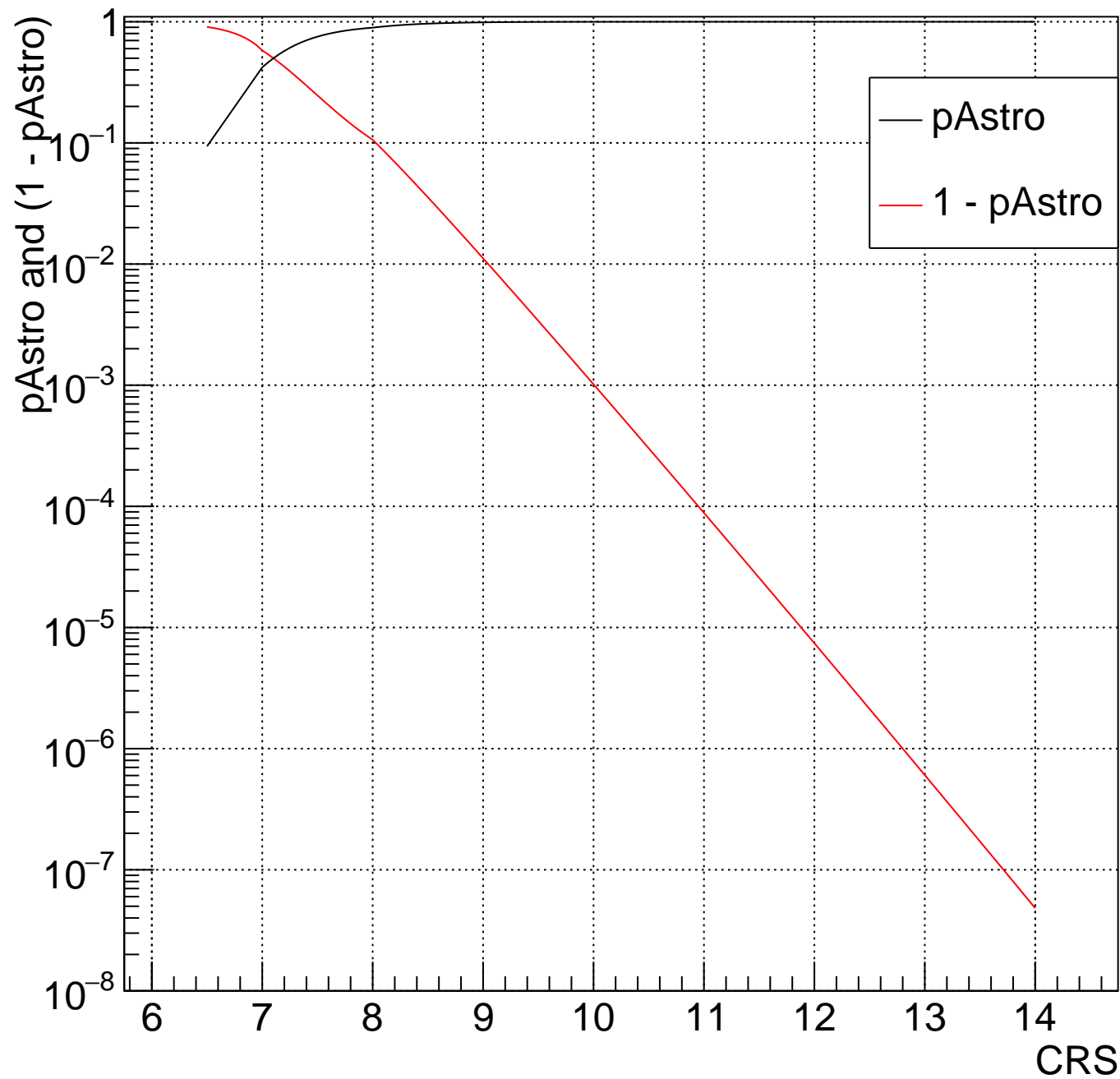
HL Bin:195  $150.2 < m_{\text{Tot}} < 163.6$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



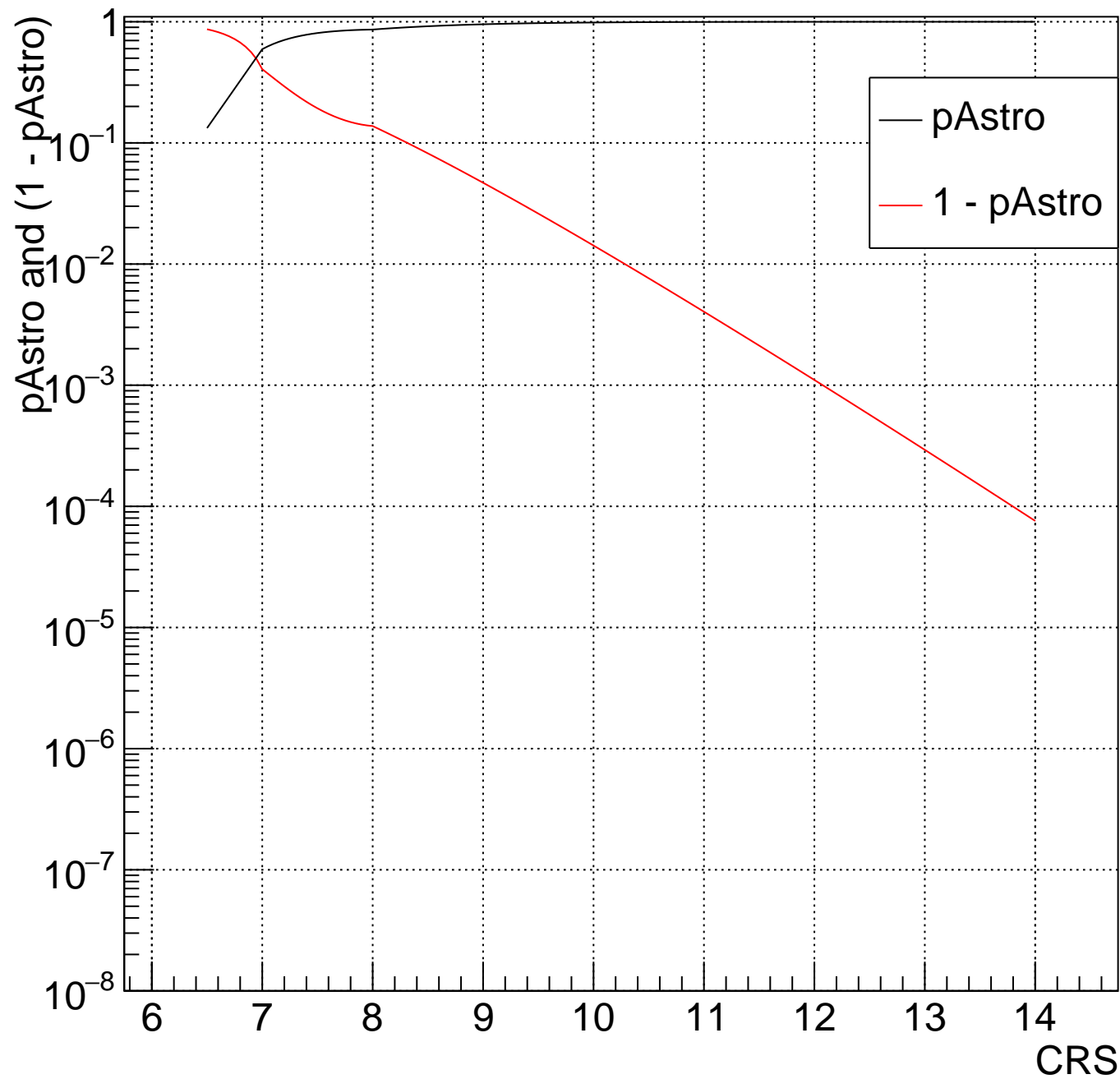
HL Bin:196  $163.6 < m_{\text{Tot}} < 178.3$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



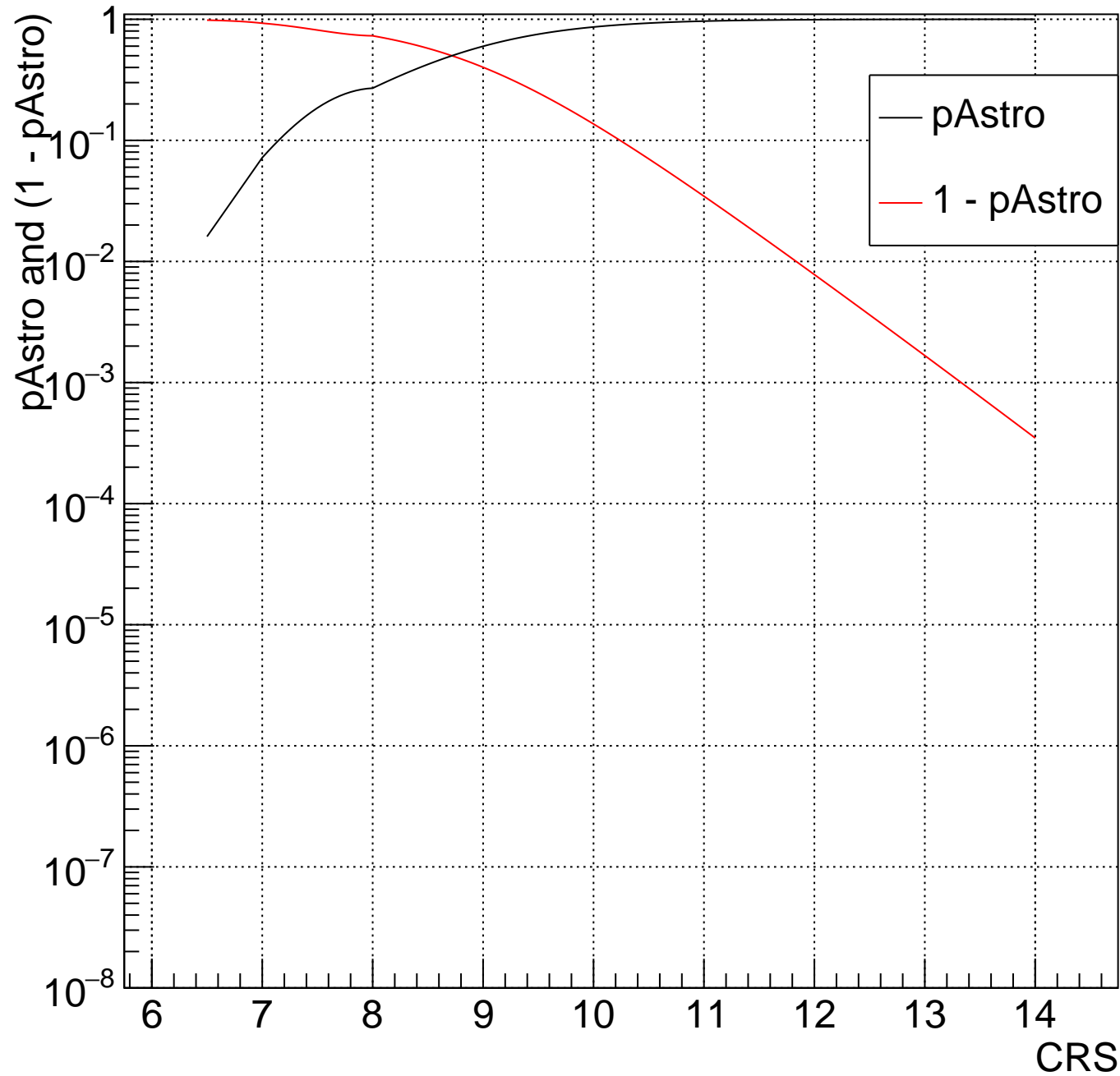
HL Bin:197 178.3<mTot<194.3 and -0.3333<chiEff<0.3333



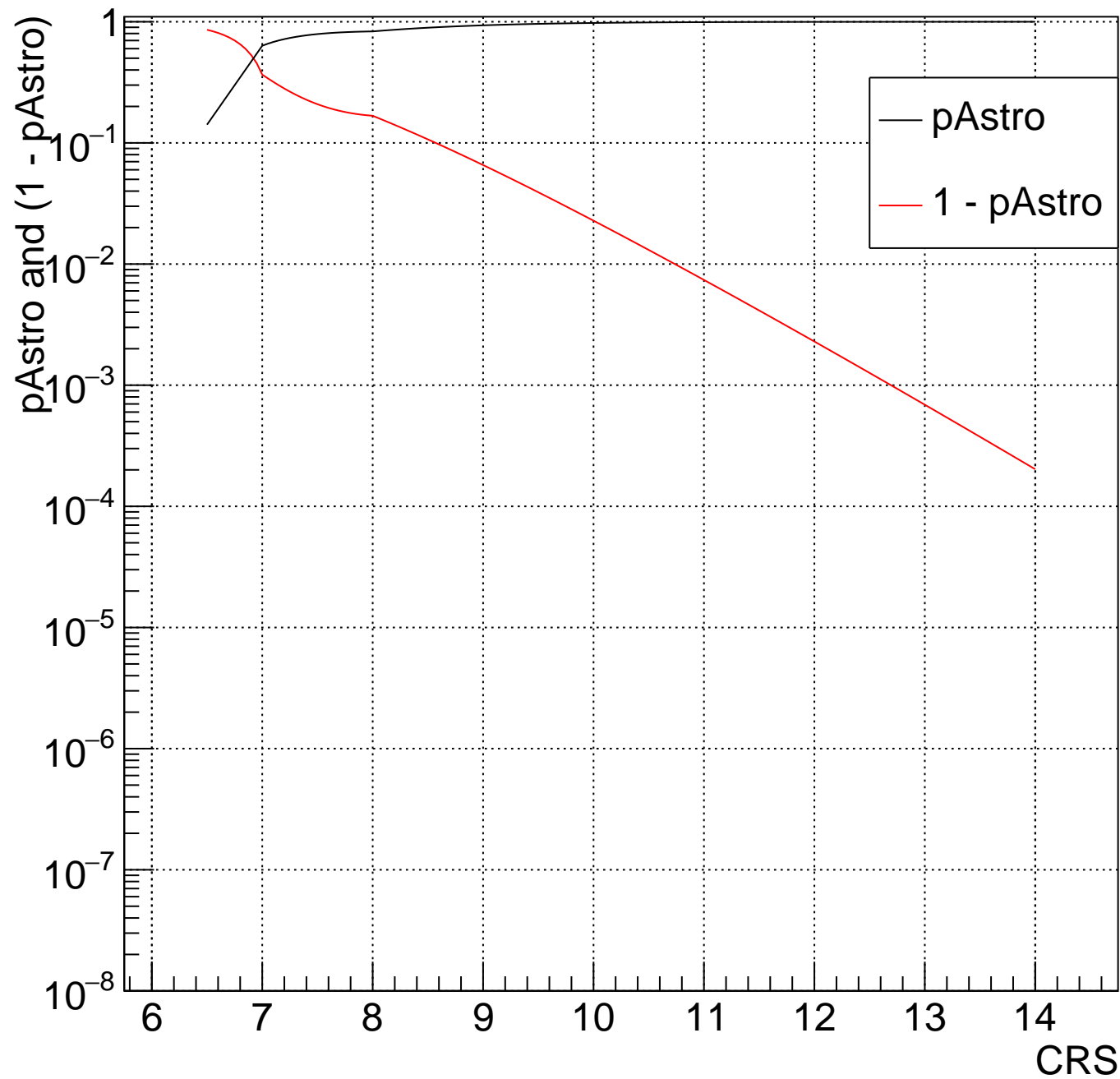
HL Bin:198  $194.3 < m_{\text{Tot}} < 211.7$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



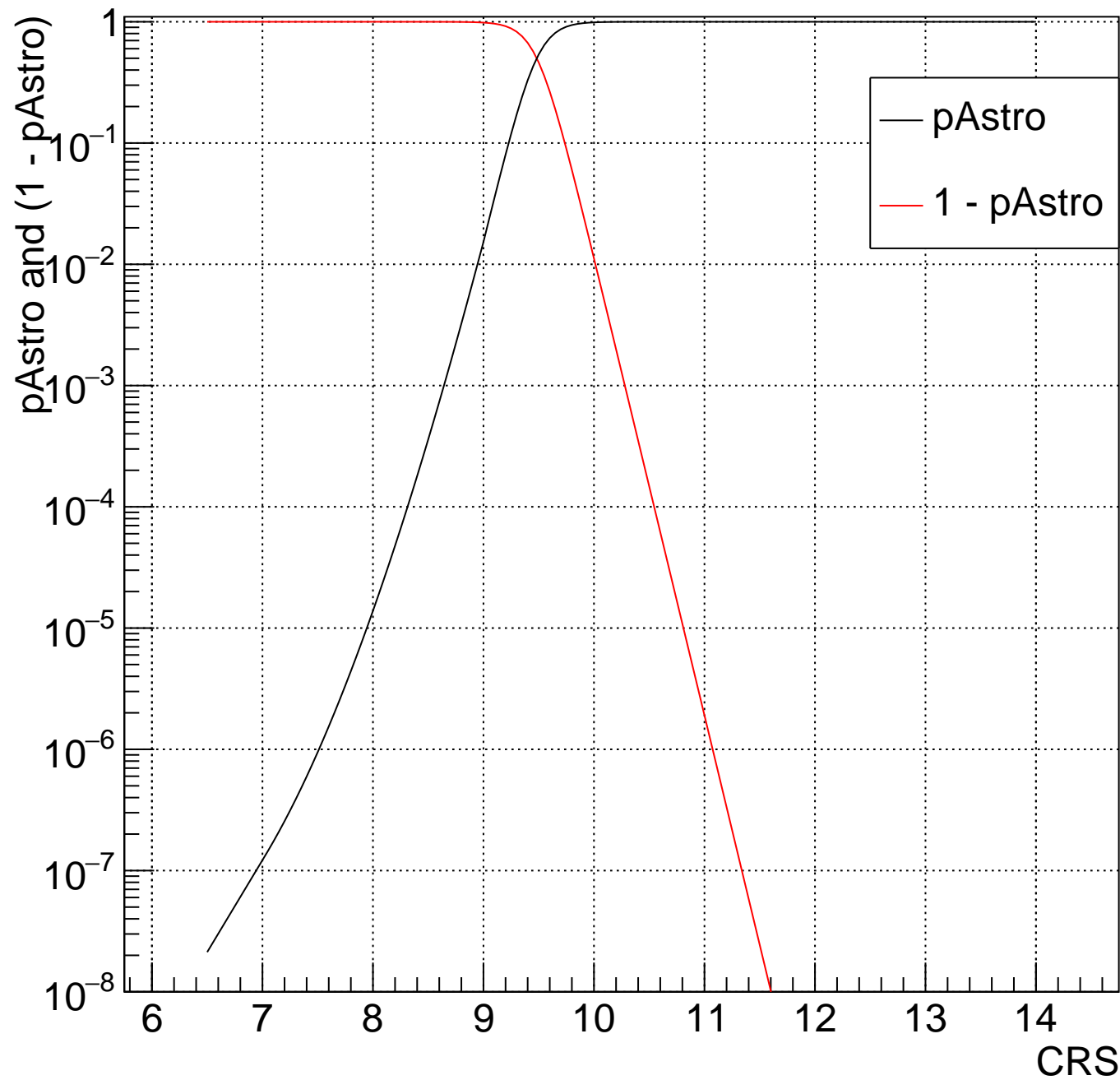
HL Bin:199 211.7<mTot<230.7 and -0.3333<chiEff<0.3333



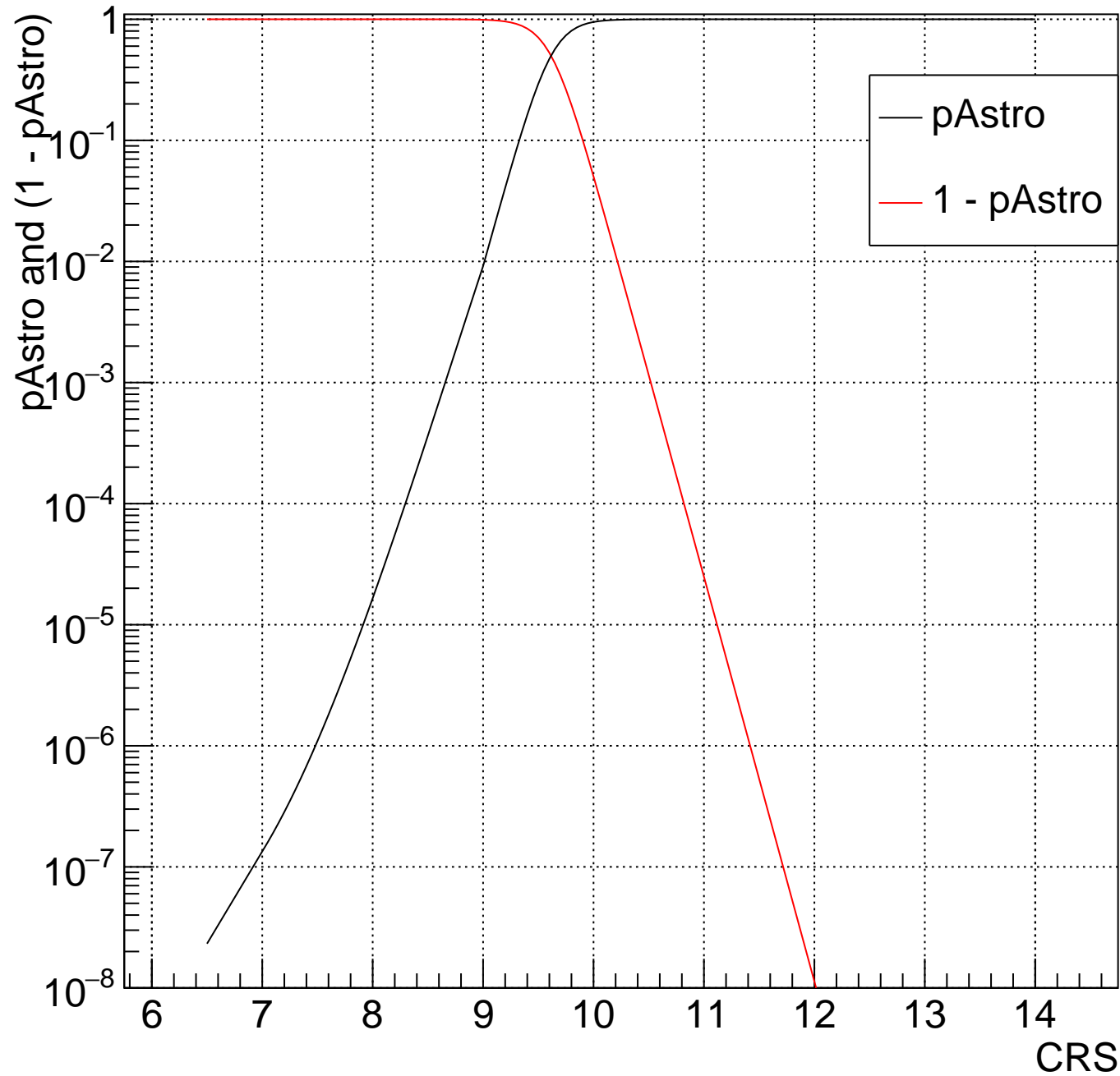
HL Bin:200  $230.7 < m_{\text{Tot}} < 251.4$  and  $-0.3333 < \chi_{\text{Eff}} < 0.3333$



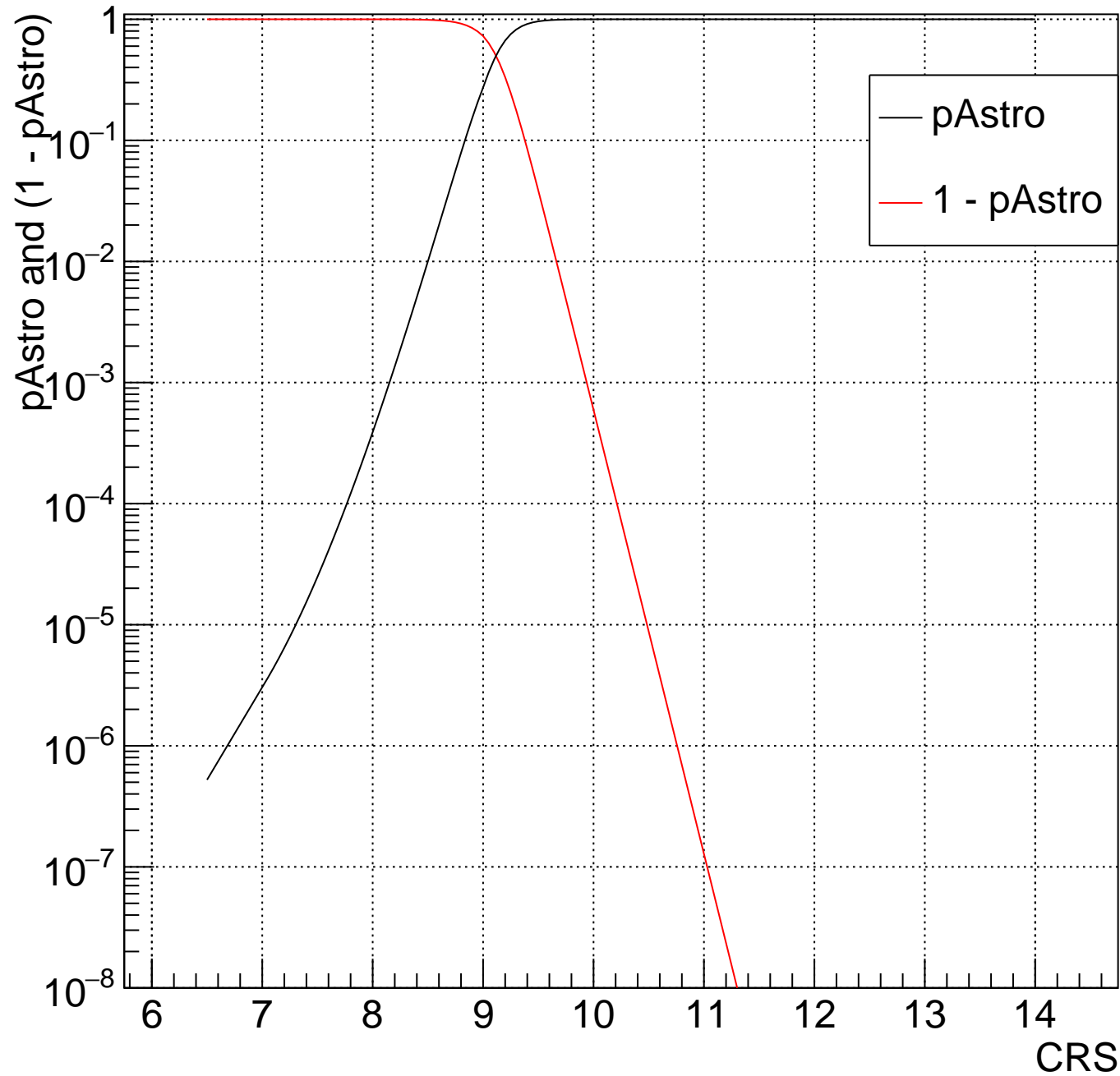
HL Bin:209  $16.08 < m_{\text{Tot}} < 17.52$  and  $0.3333 < \chi_{\text{Eff}} < 1$



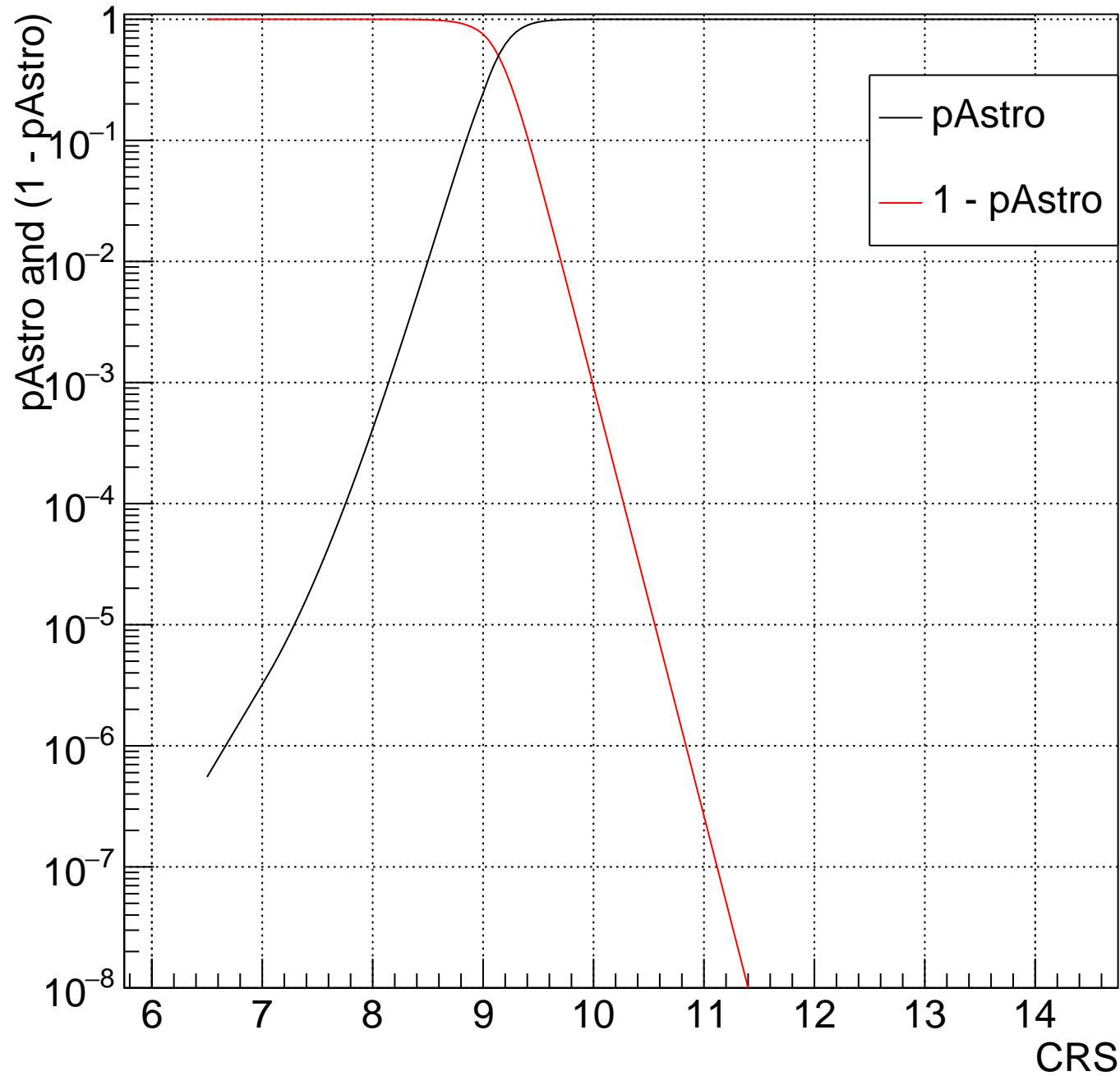
HL Bin:210  $17.52 < m_{\text{Tot}} < 19.1$  and  $0.3333 < \chi_{\text{Eff}} < 1$



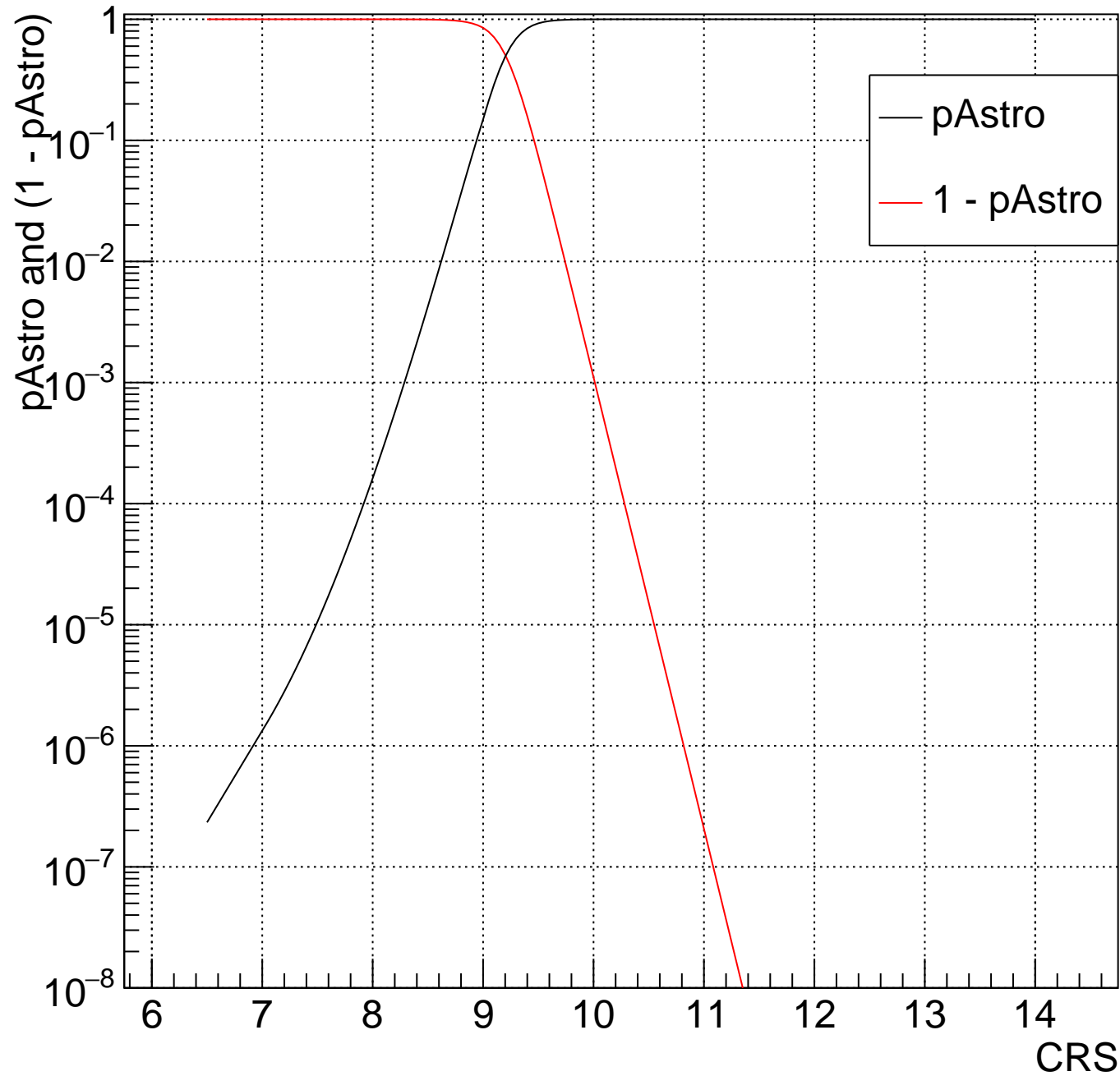
HL Bin:211  $19.1 < m_{\text{Tot}} < 20.81$  and  $0.3333 < \chi_{\text{Eff}} < 1$



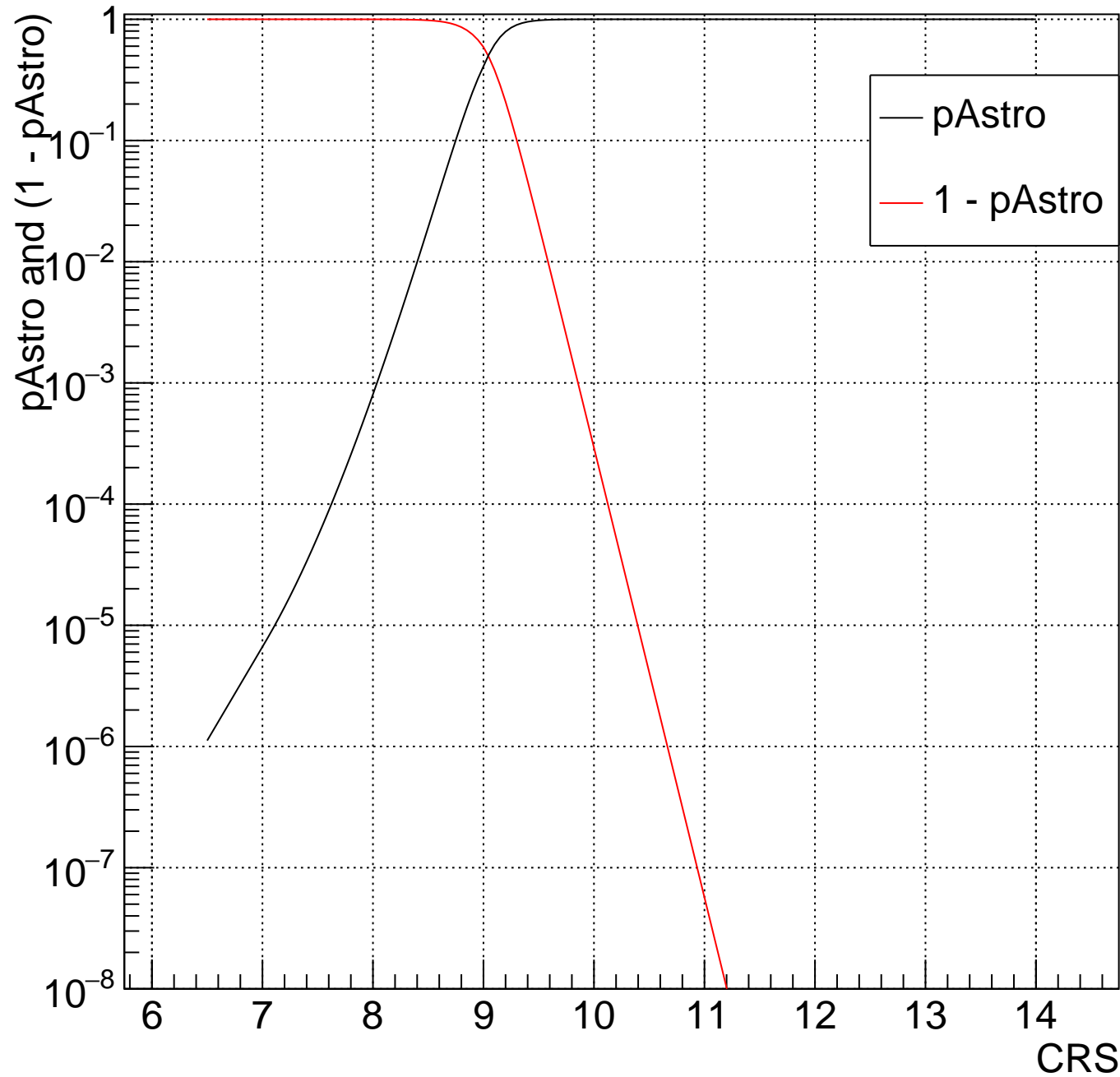
HL Bin:212  $20.81 < m_{\text{Tot}} < 22.68$  and  $0.3333 < \chi_{\text{Eff}} < 1$



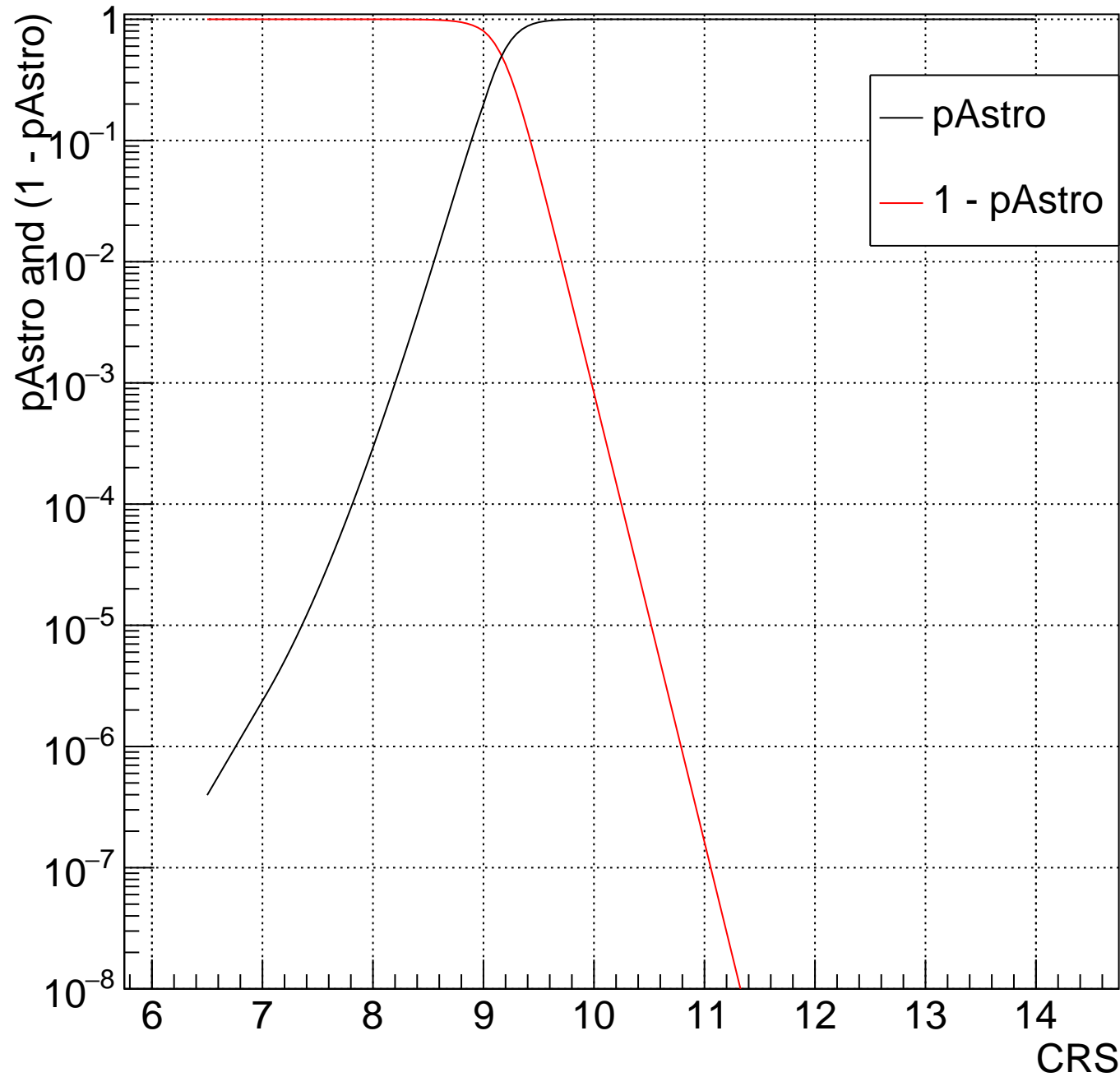
HL Bin:213  $22.68 < m_{\text{Tot}} < 24.71$  and  $0.3333 < \chi_{\text{Eff}} < 1$



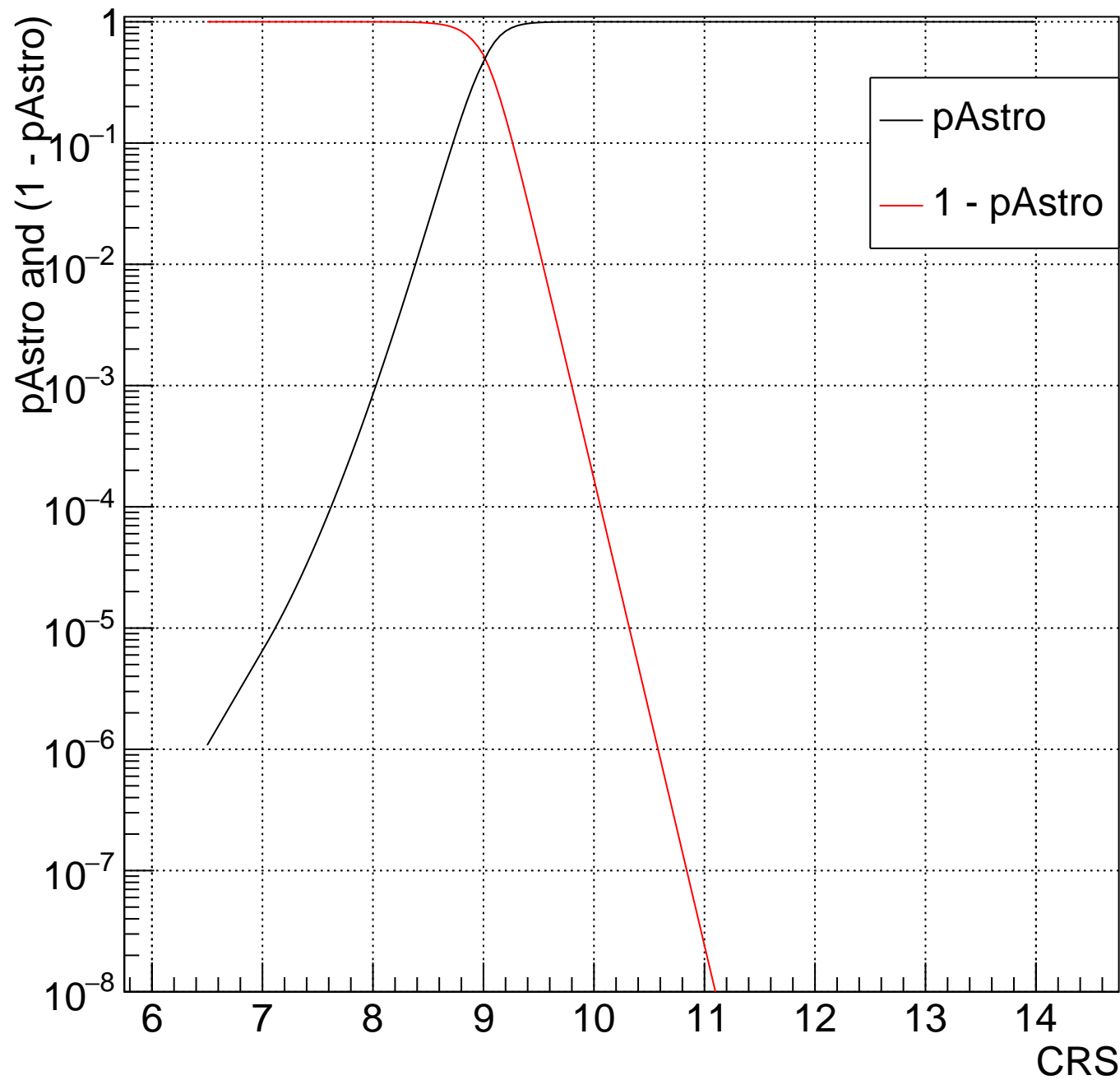
HL Bin:214  $24.71 < m_{\text{Tot}} < 26.93$  and  $0.3333 < \chi_{\text{Eff}} < 1$



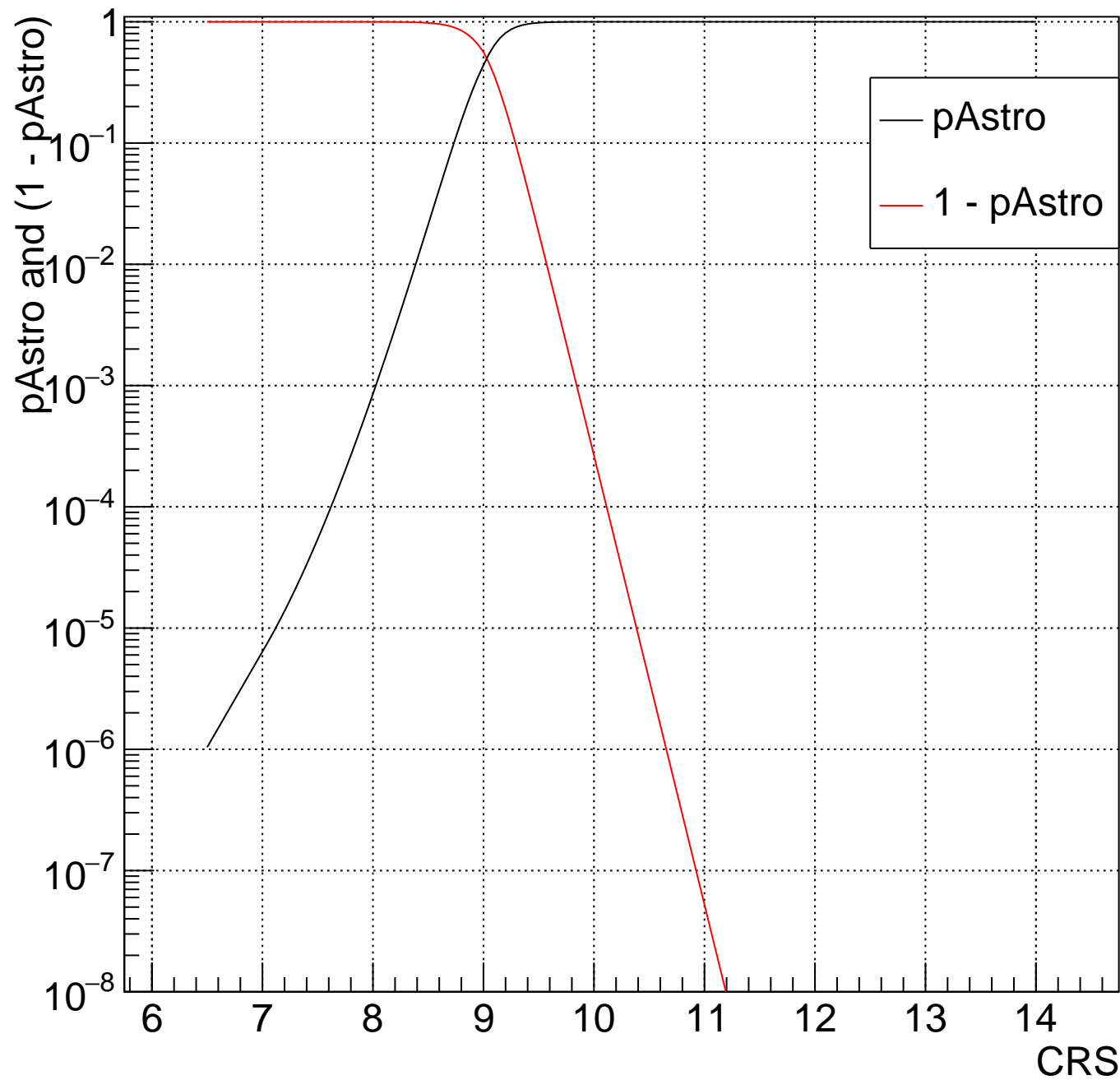
HL Bin:215 26.93<mTot<29.35 and 0.3333<chiEff<1



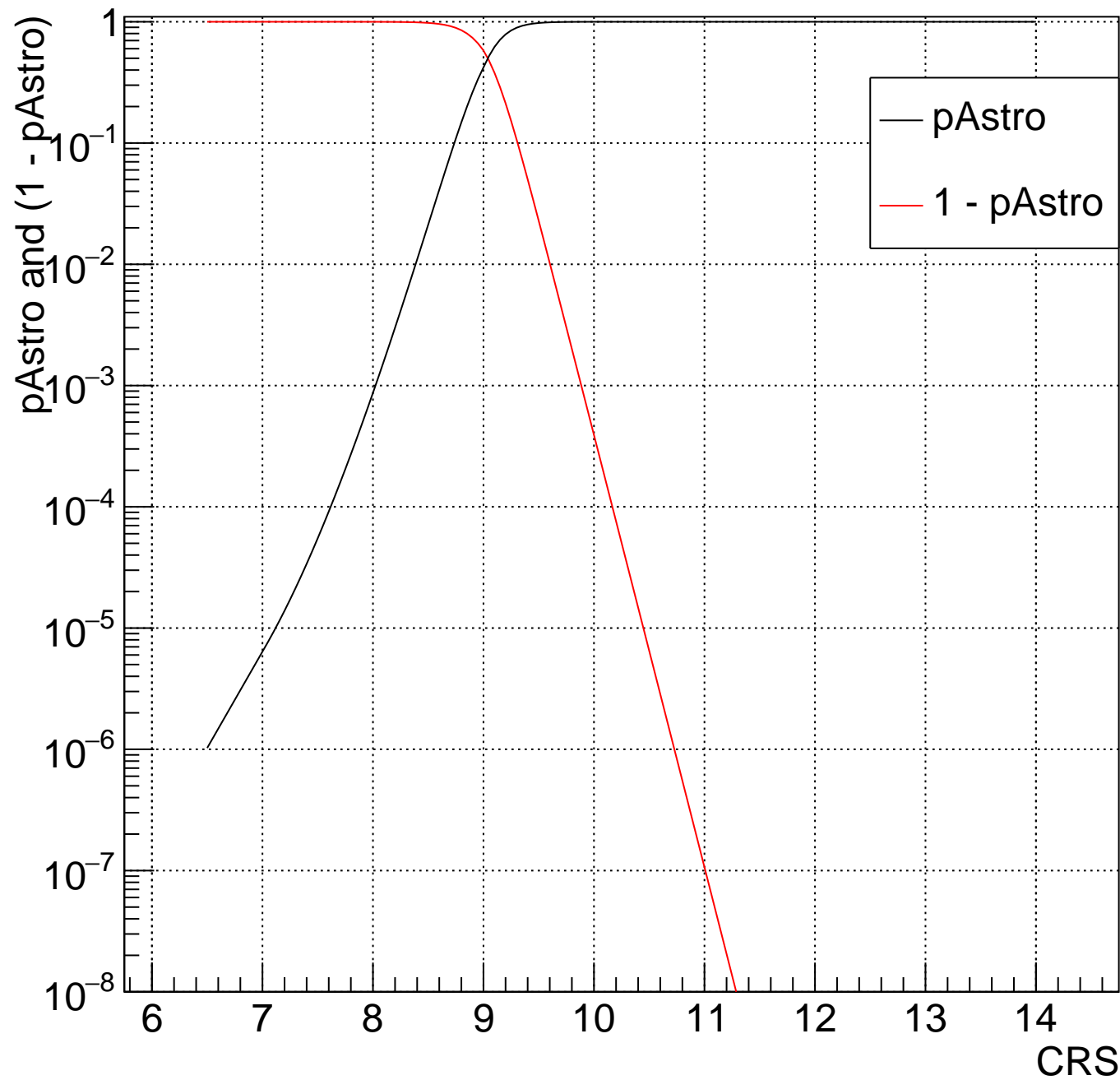
HL Bin:216  $29.35 < m_{\text{Tot}} < 31.98$  and  $0.3333 < \chi_{\text{Eff}} < 1$



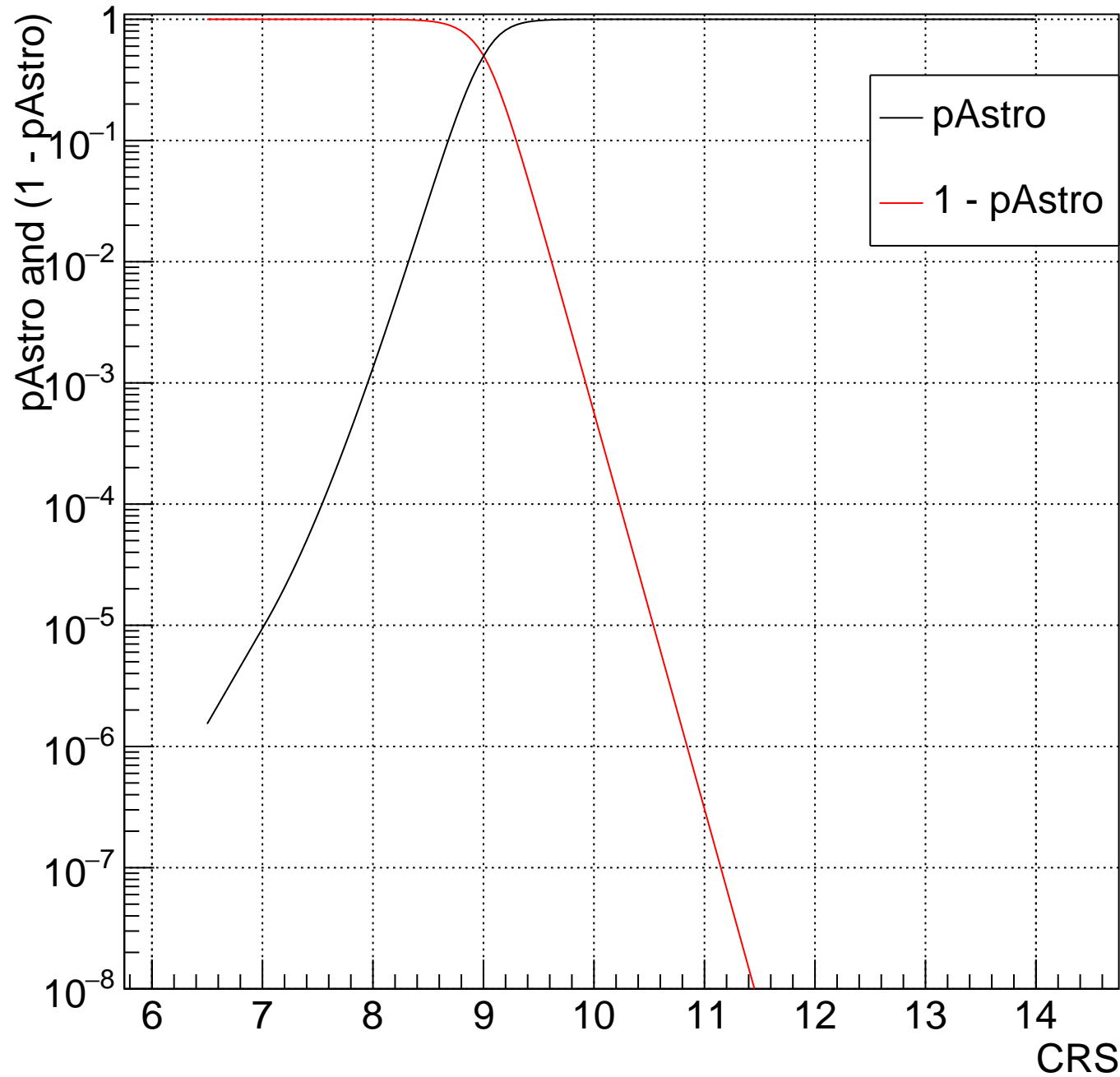
HL Bin:217 31.98<mTot<34.85 and 0.3333<chiEff<1



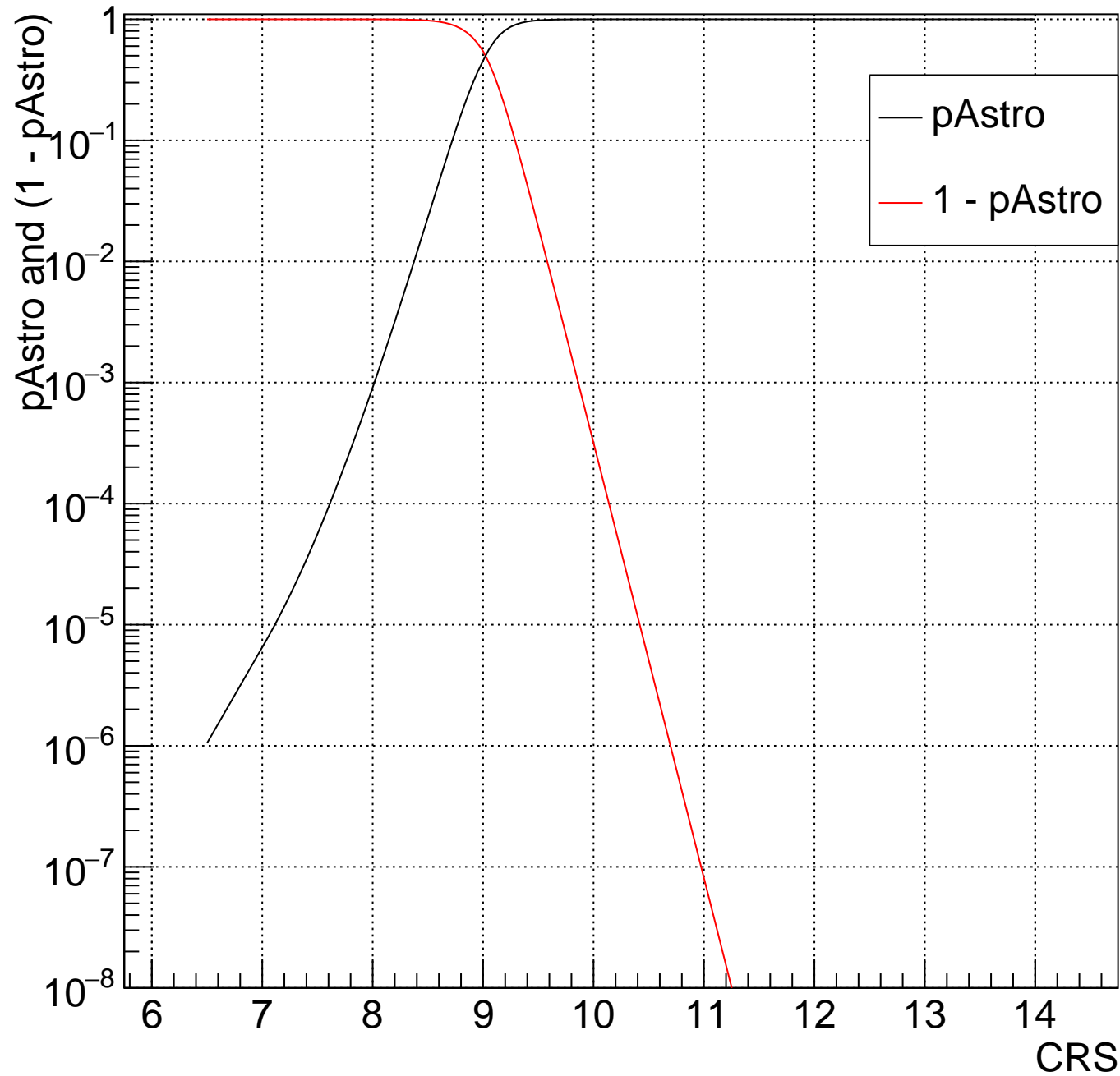
HL Bin:218  $34.85 < m_{\text{Tot}} < 37.97$  and  $0.3333 < \chi_{\text{Eff}} < 1$



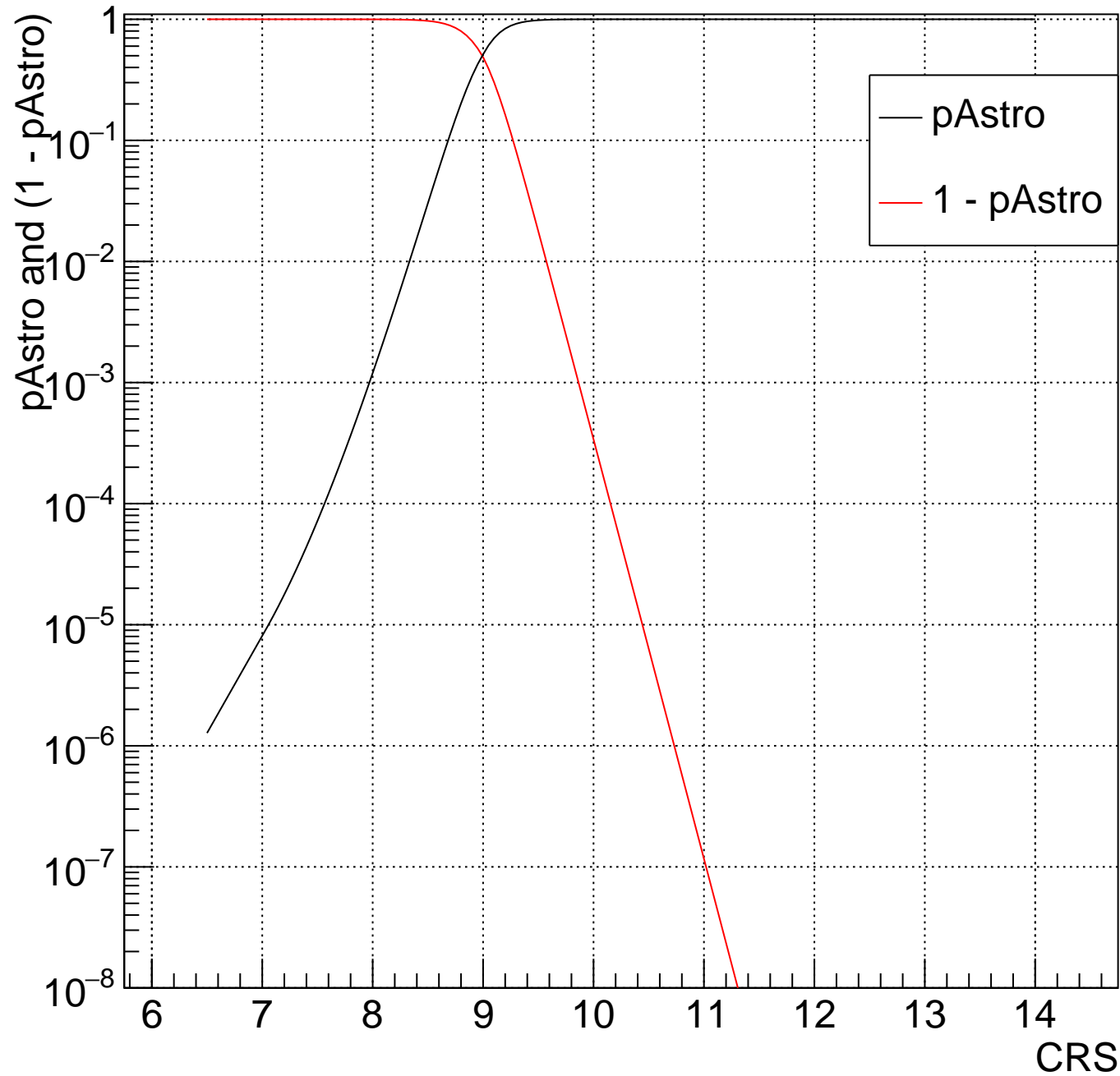
HL Bin:219  $37.97 < m_{\text{Tot}} < 41.38$  and  $0.3333 < \chi_{\text{Eff}} < 1$



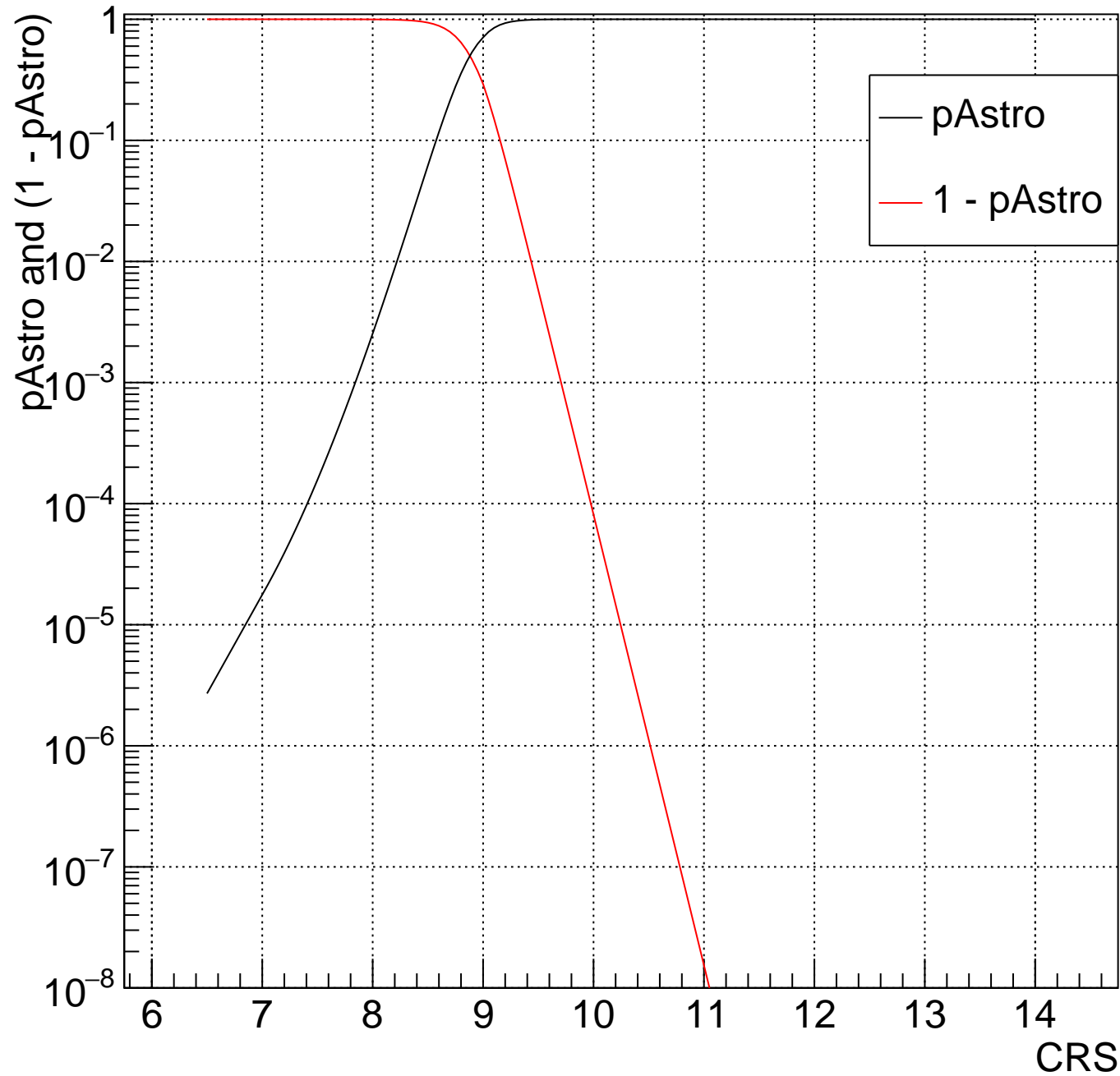
HL Bin:220 41.38<mTot<45.09 and 0.3333<chiEff<1



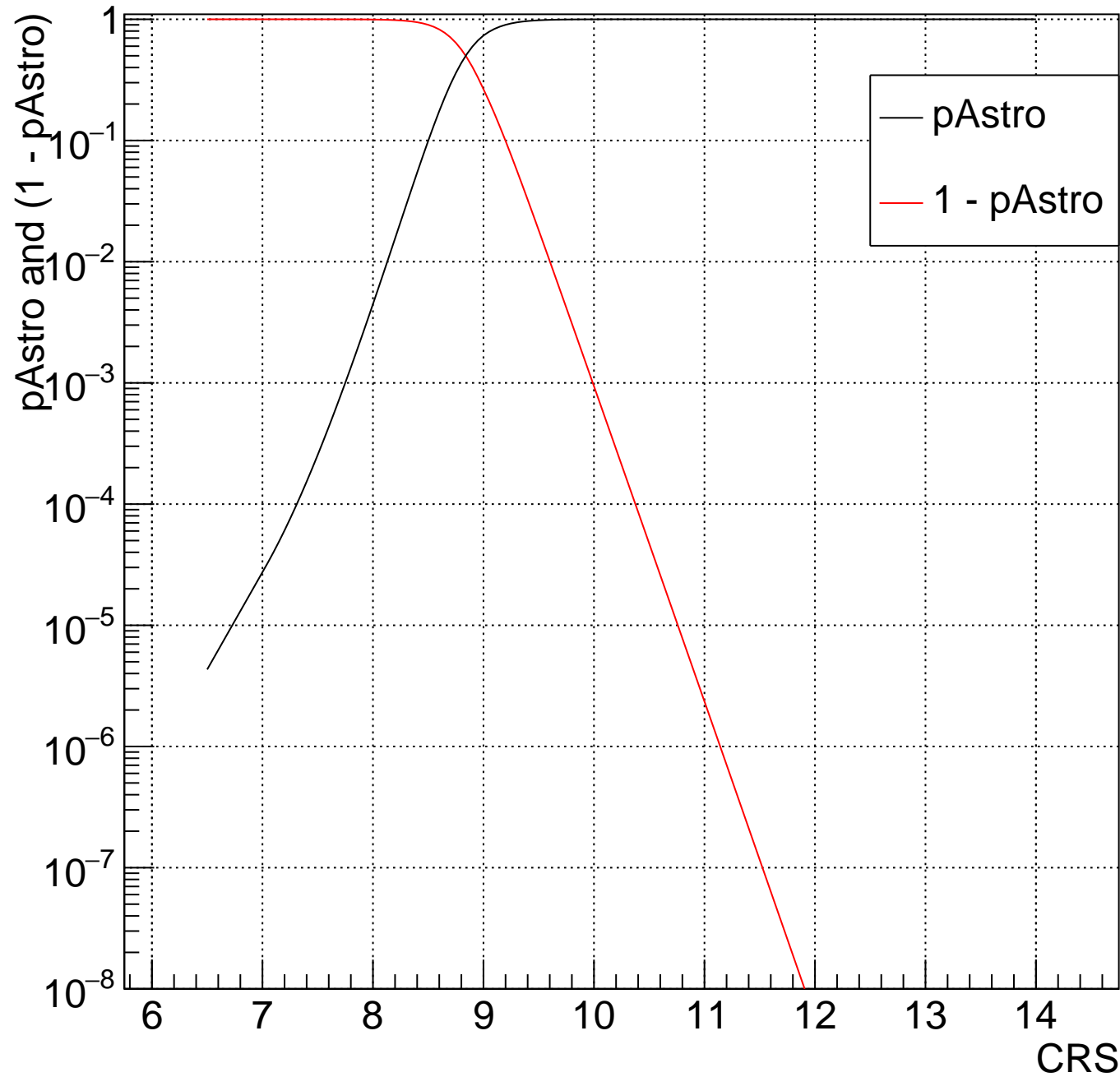
HL Bin:221 45.09<mTot<49.14 and 0.3333<chiEff<1



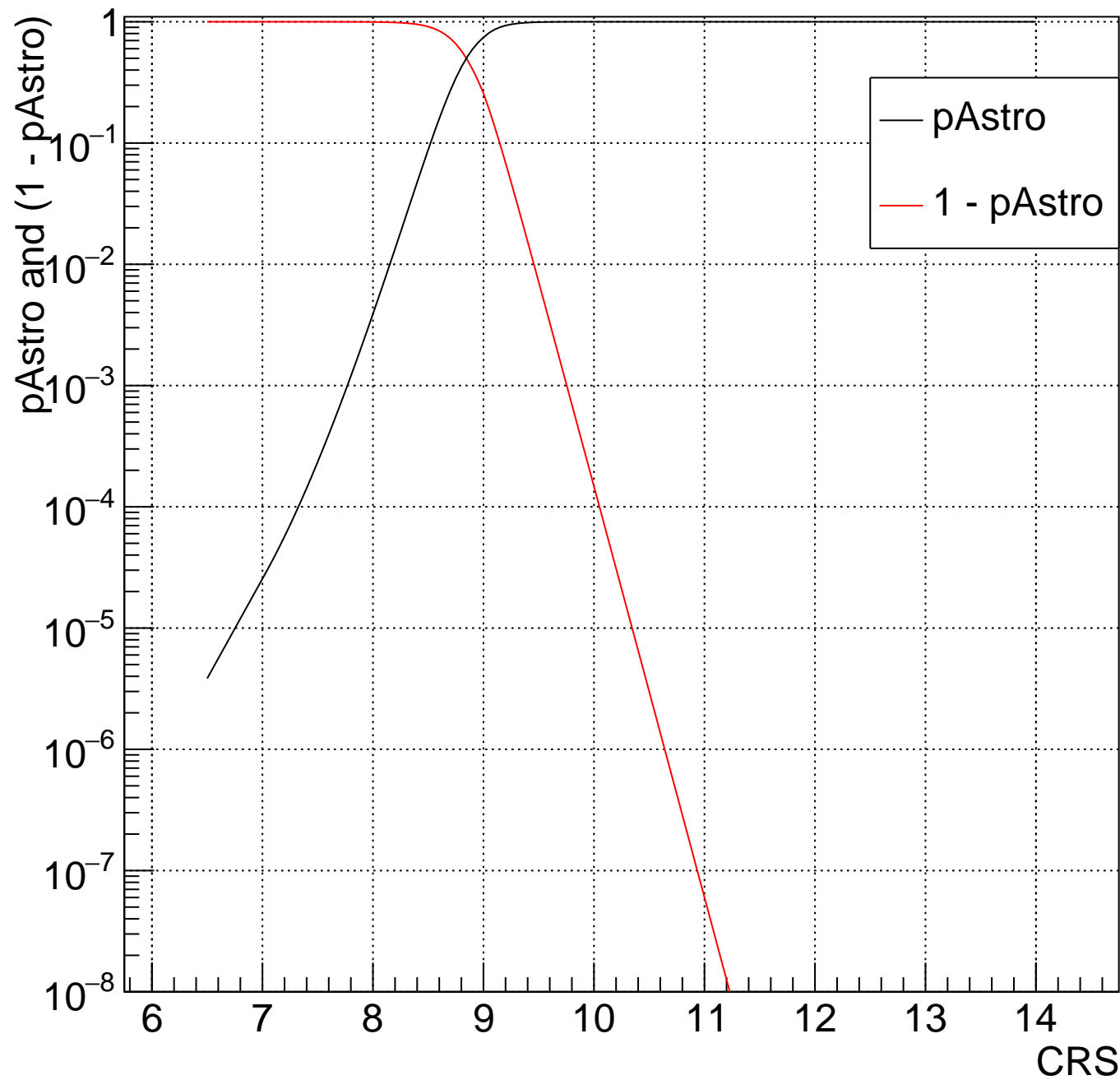
HL Bin:222 49.14<mTot<53.55 and 0.3333<chiEff<1



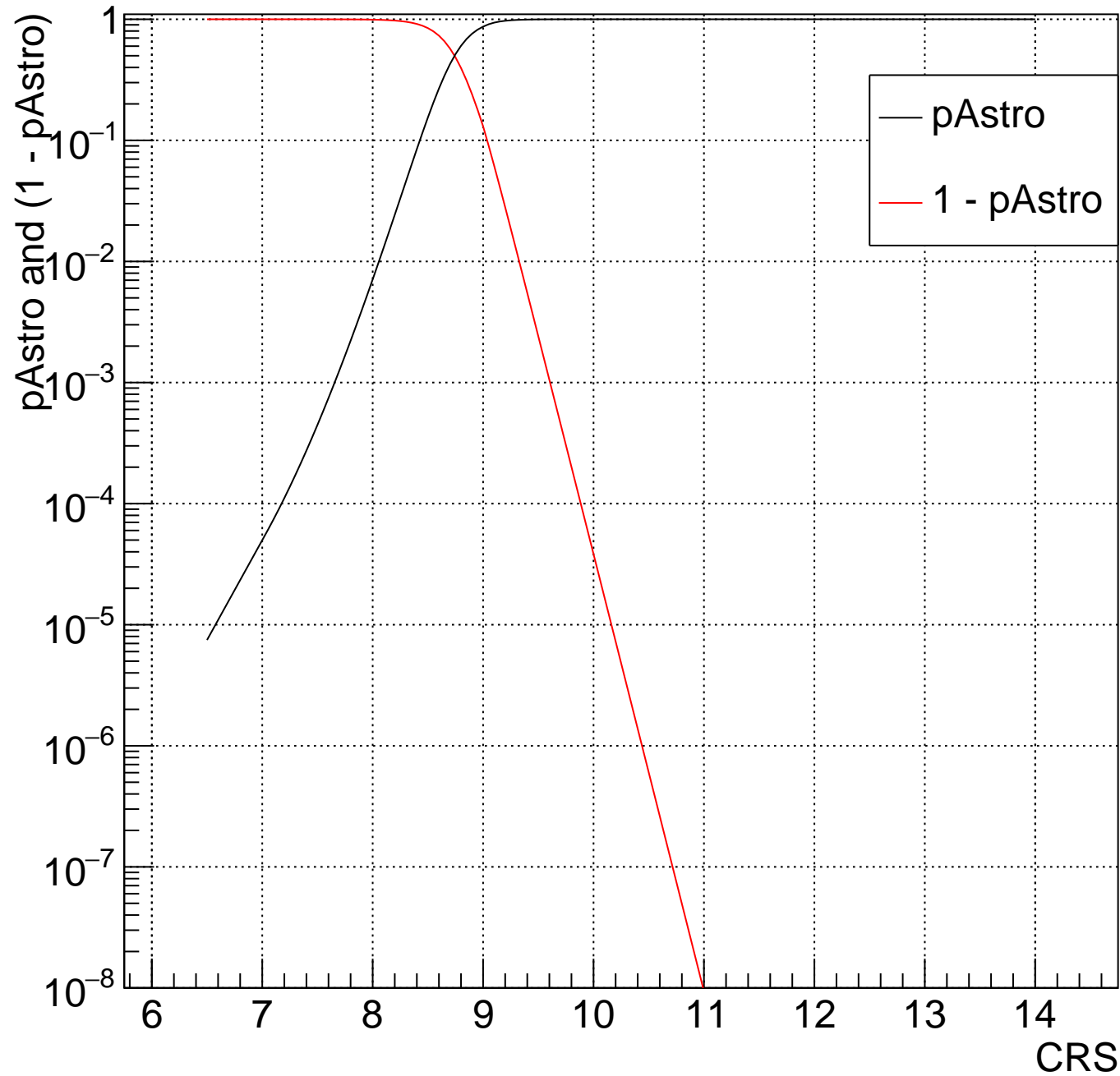
HL Bin:223 53.55<mTot<58.35 and 0.3333<chiEff<1



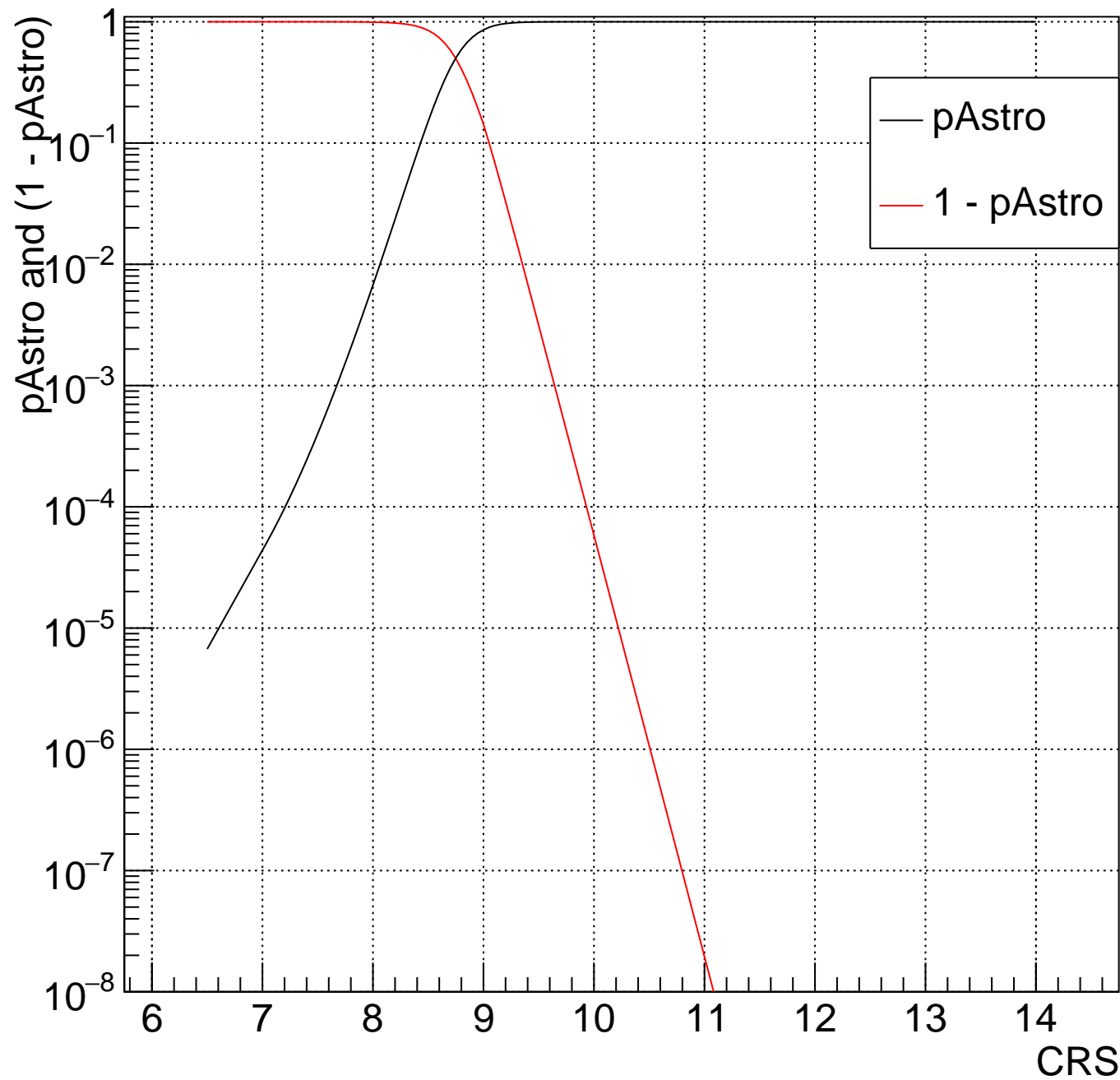
HL Bin:224 58.35<mTot<63.59 and 0.3333<chiEff<1



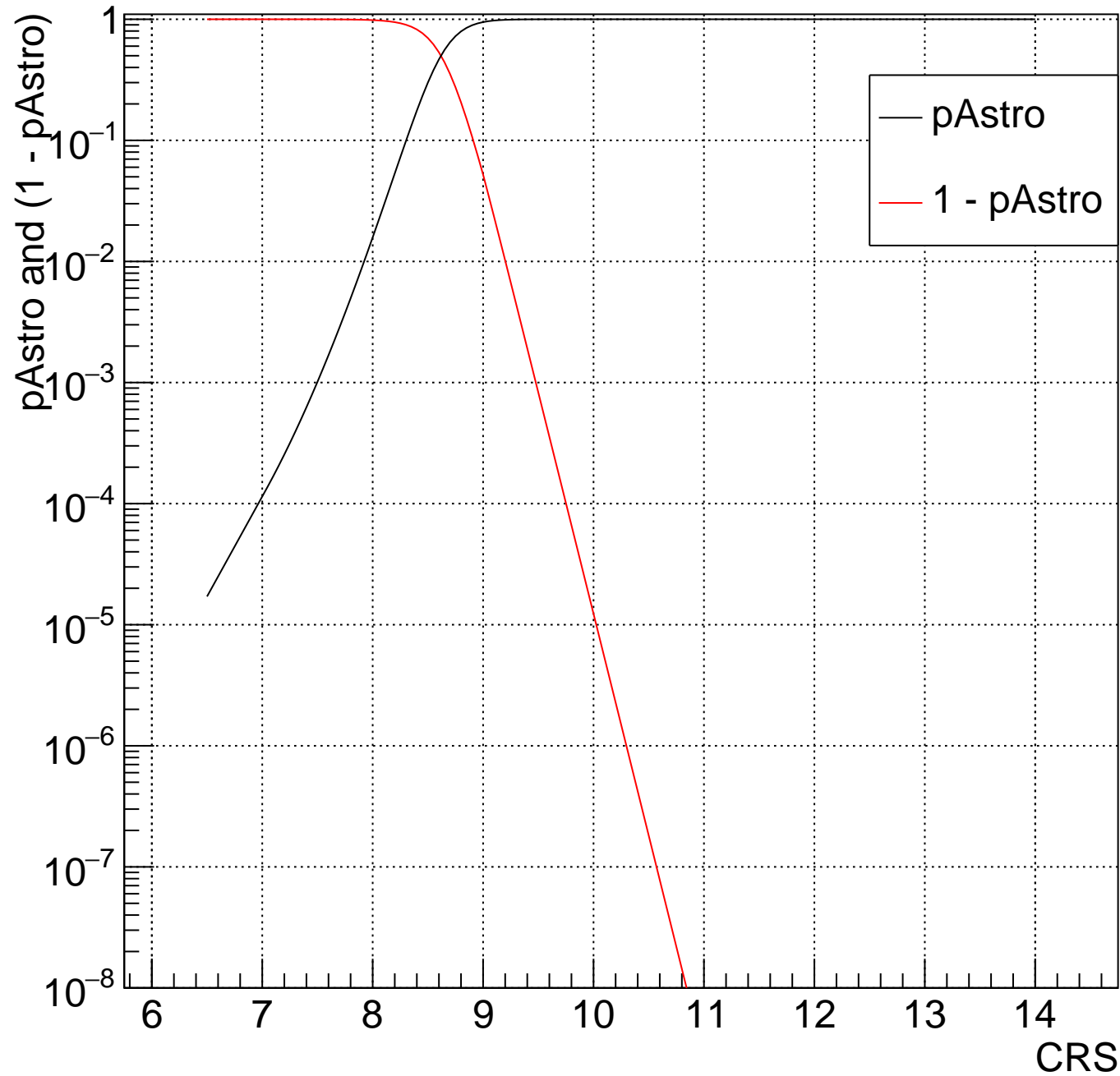
HL Bin:225  $63.59 < m_{\text{Tot}} < 69.3$  and  $0.3333 < \chi_{\text{Eff}} < 1$



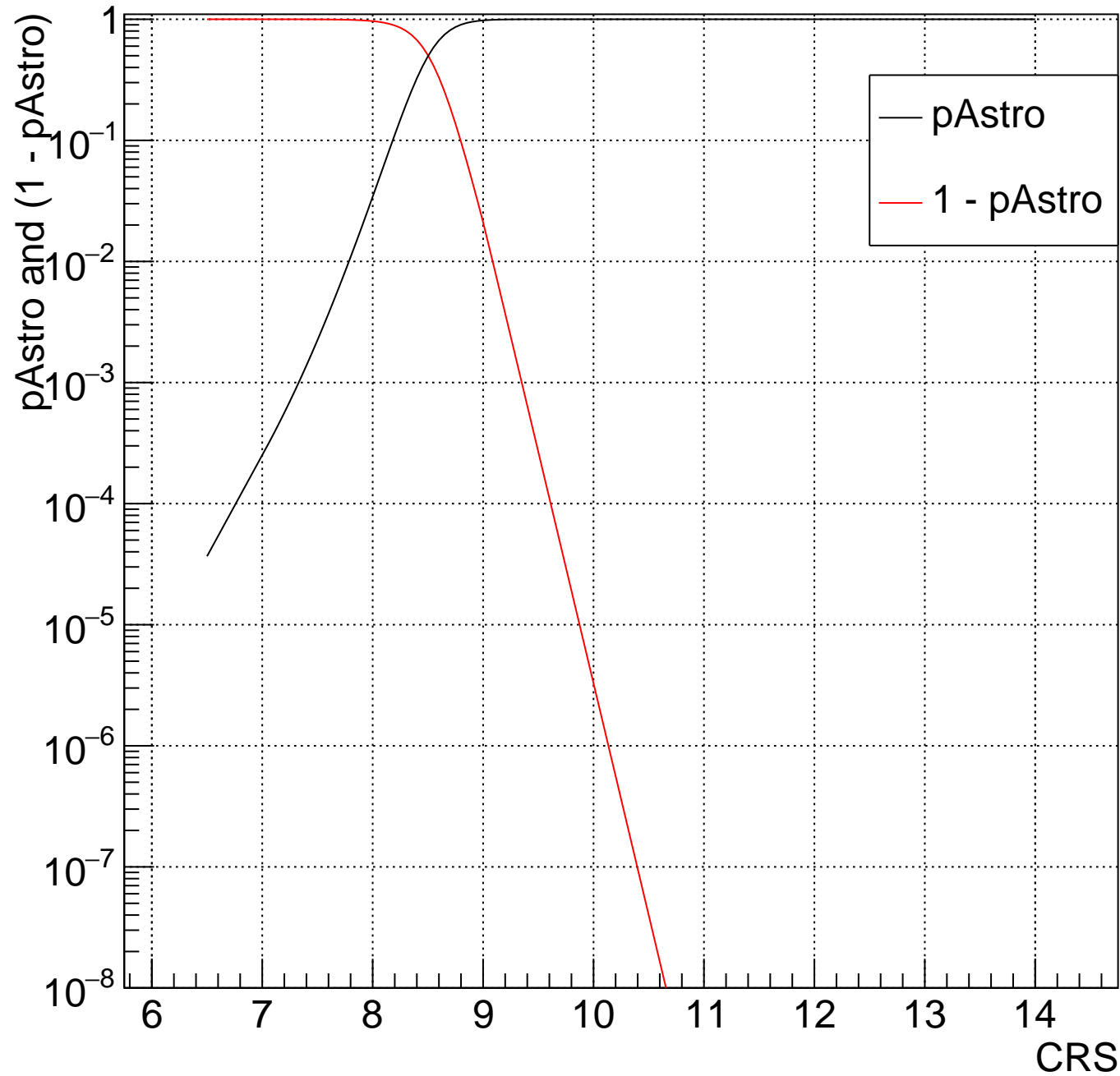
HL Bin:226  $69.3 < m_{\text{Tot}} < 75.51$  and  $0.3333 < \chi_{\text{Eff}} < 1$



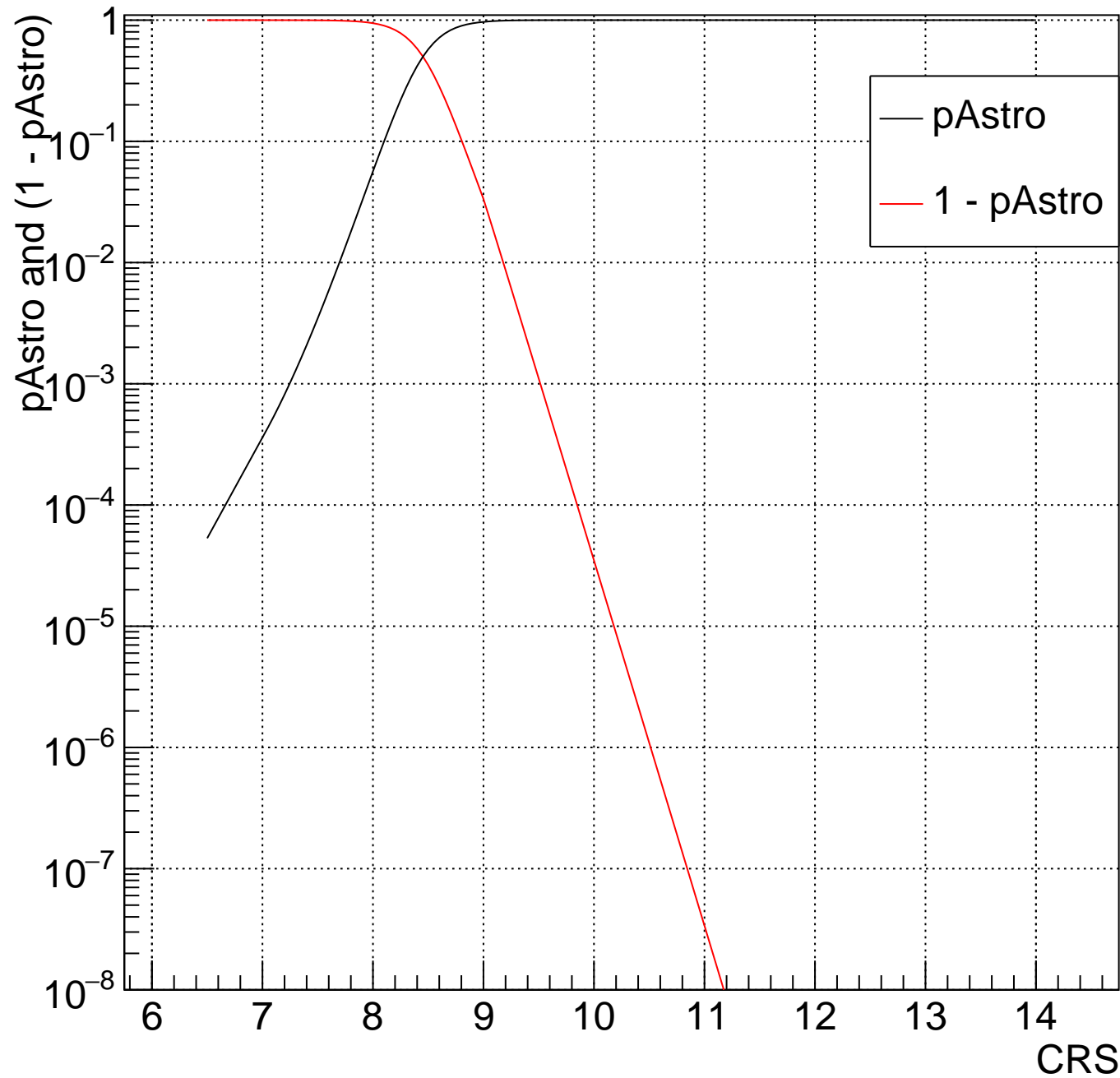
HL Bin:227 75.51<mTot<82.29 and 0.3333<chiEff<1



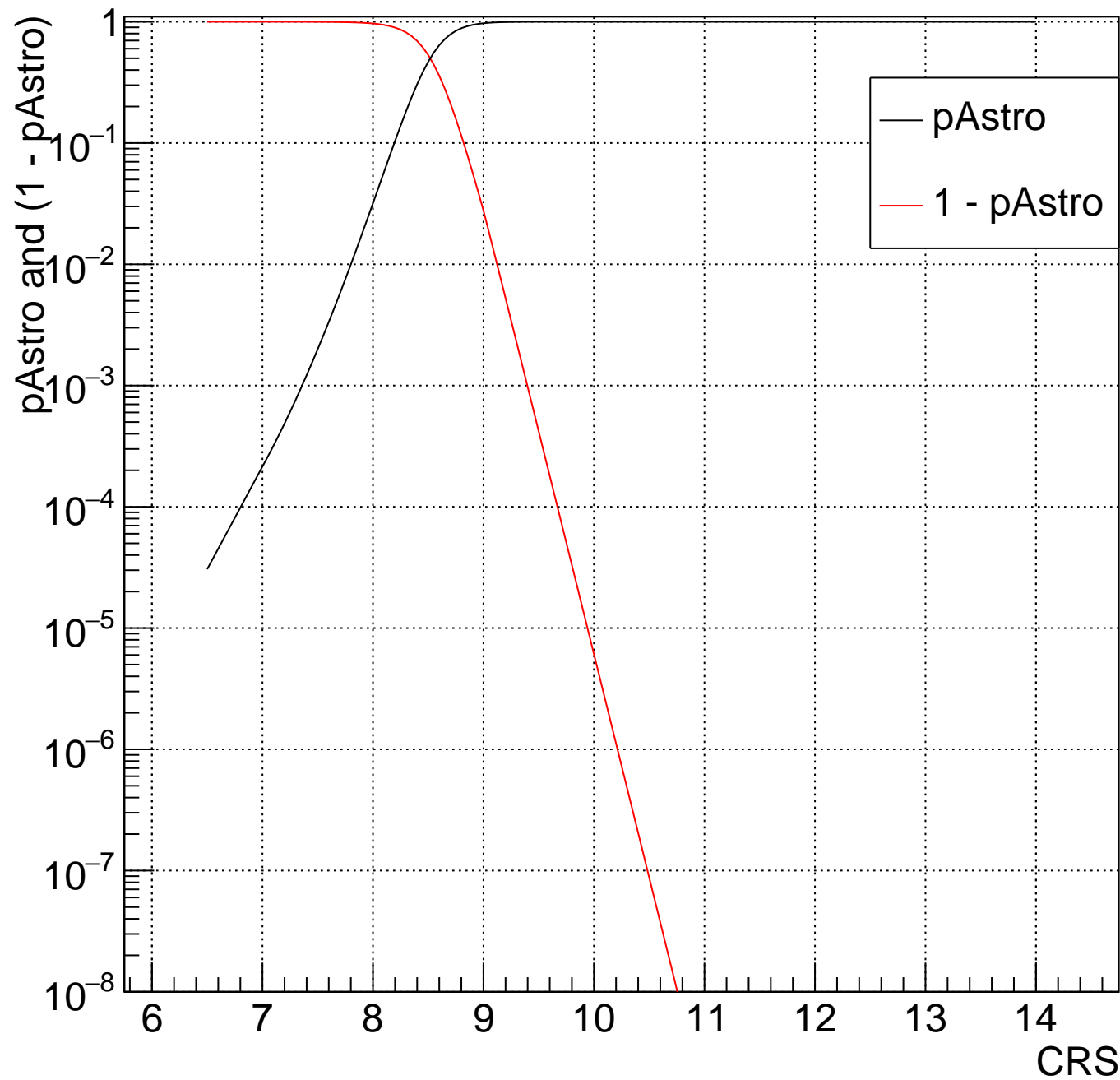
HL Bin:228  $82.29 < m_{\text{Tot}} < 89.67$  and  $0.3333 < \chi_{\text{Eff}} < 1$



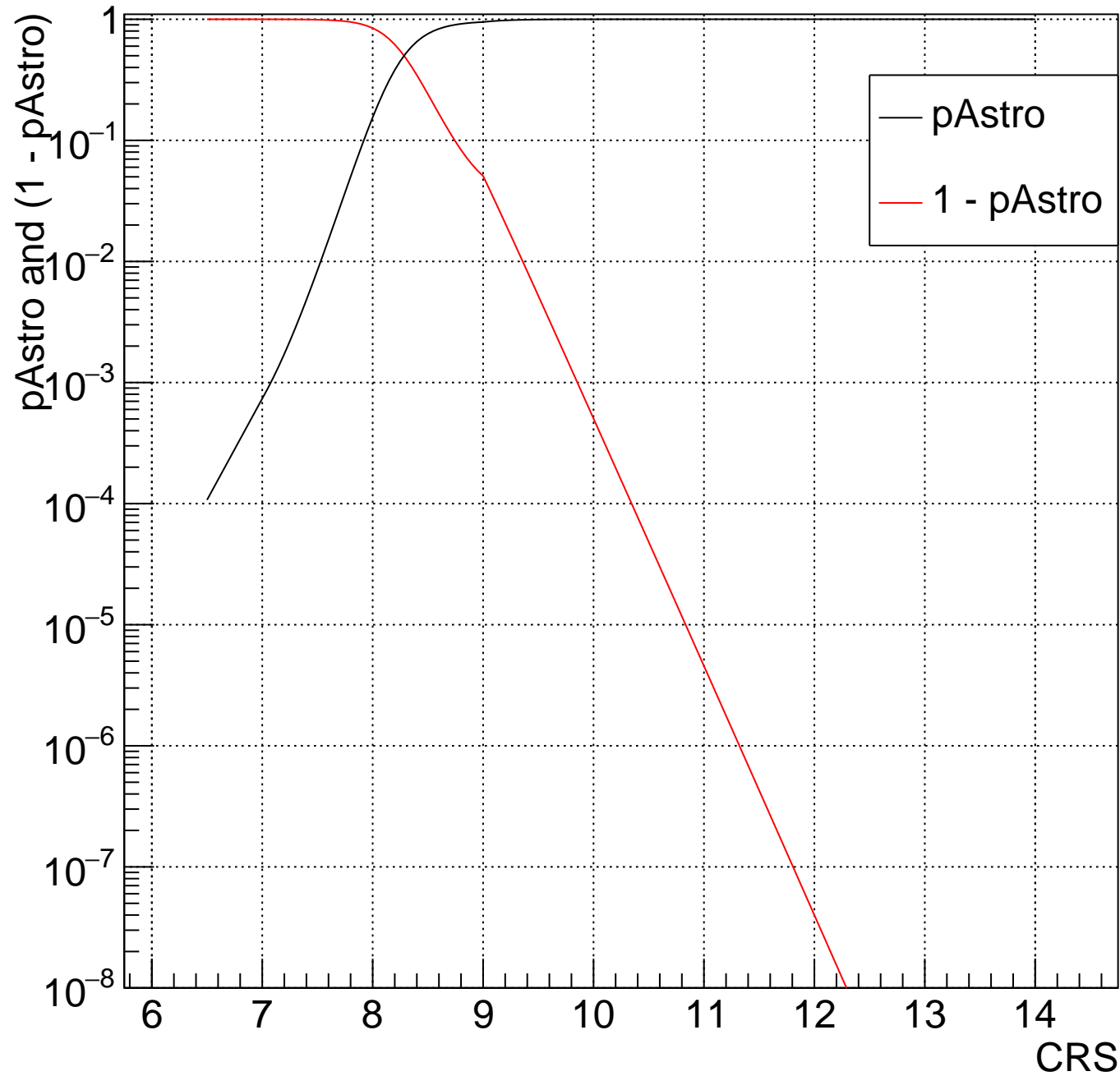
HL Bin:229 89.67<mTot<97.72 and 0.3333<chiEff<1



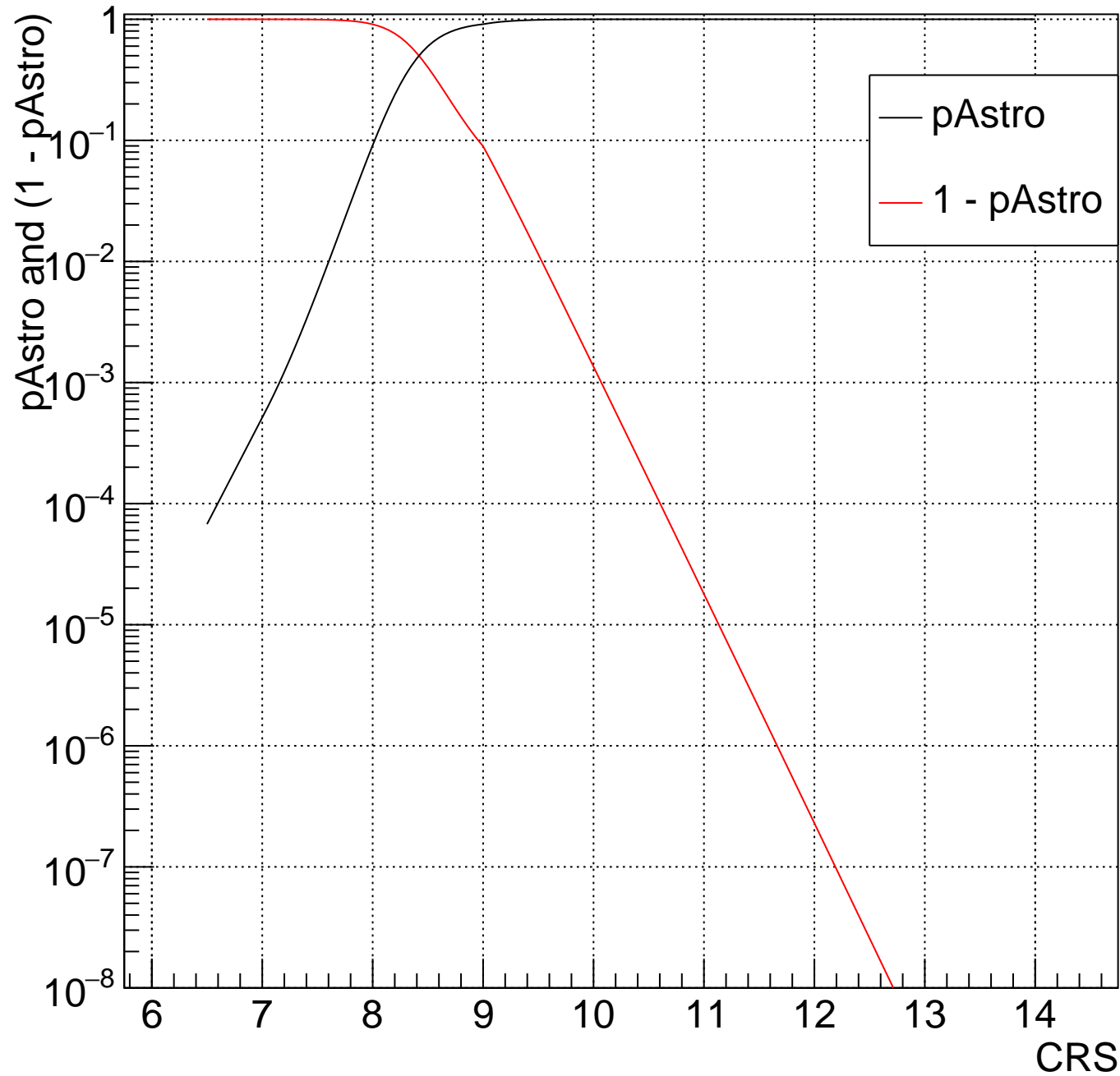
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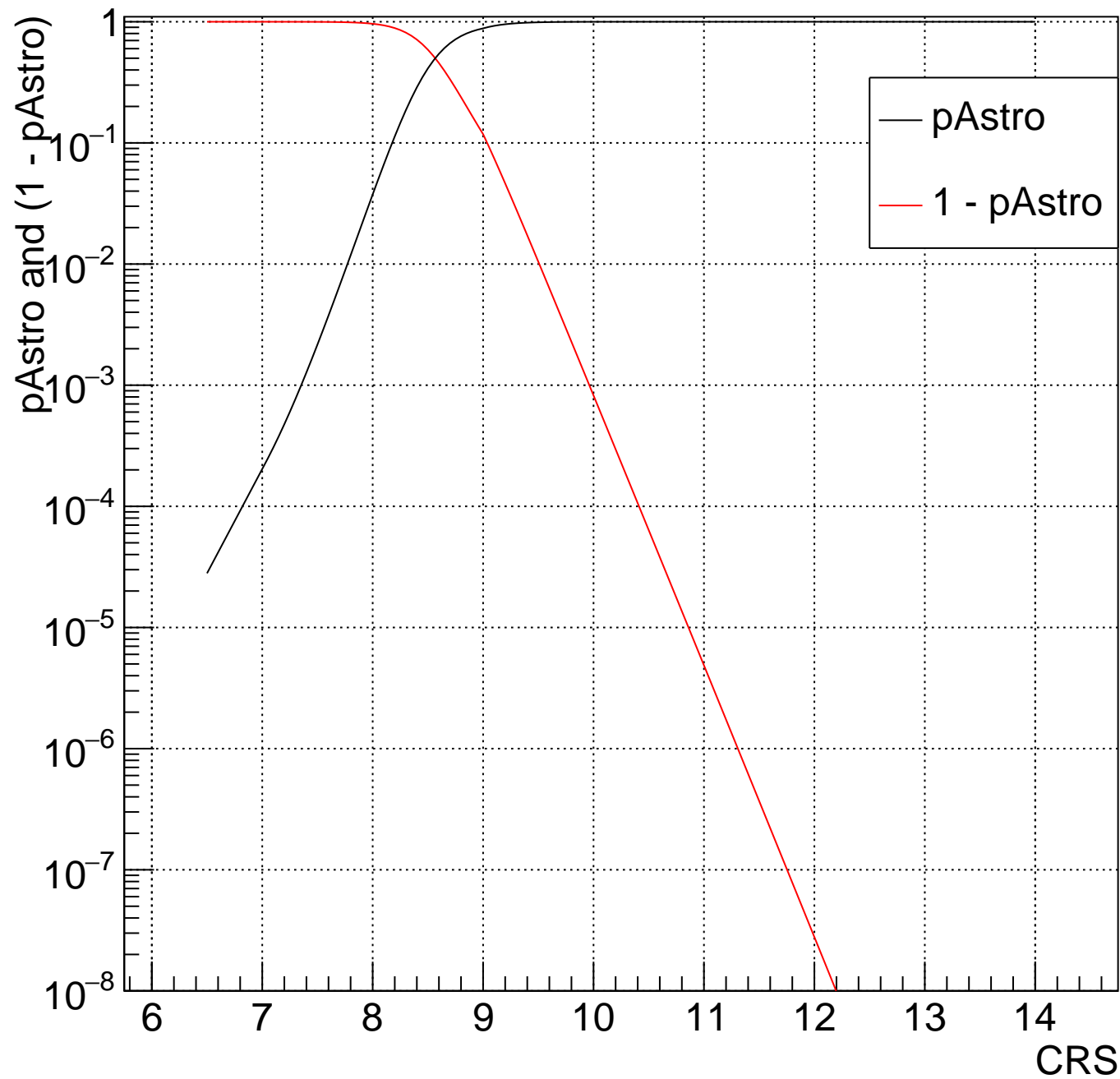
HL Bin:231  $106.5 < m_{\text{Tot}} < 116$  and  $0.3333 < \chi_{\text{Eff}} < 1$



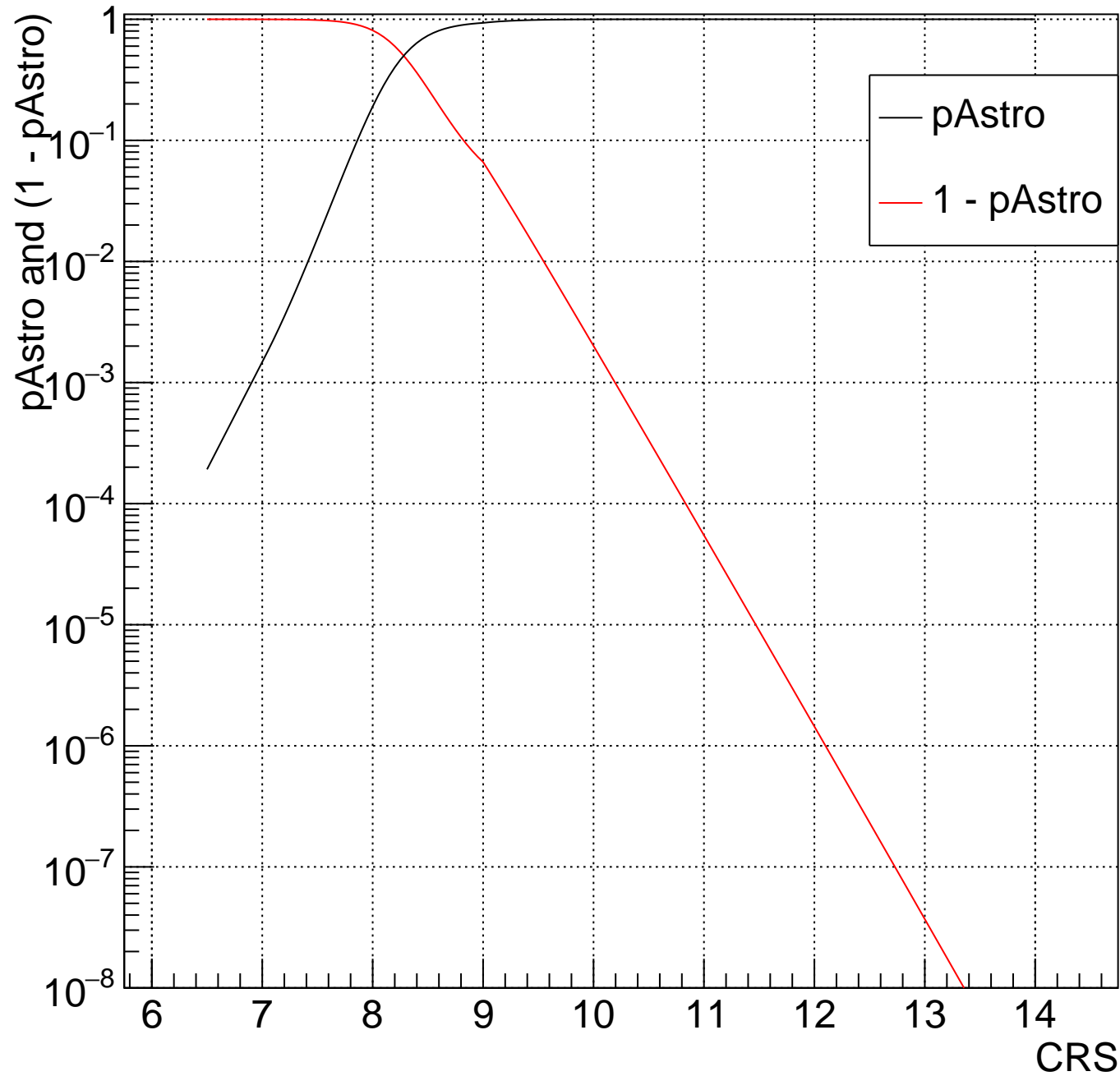
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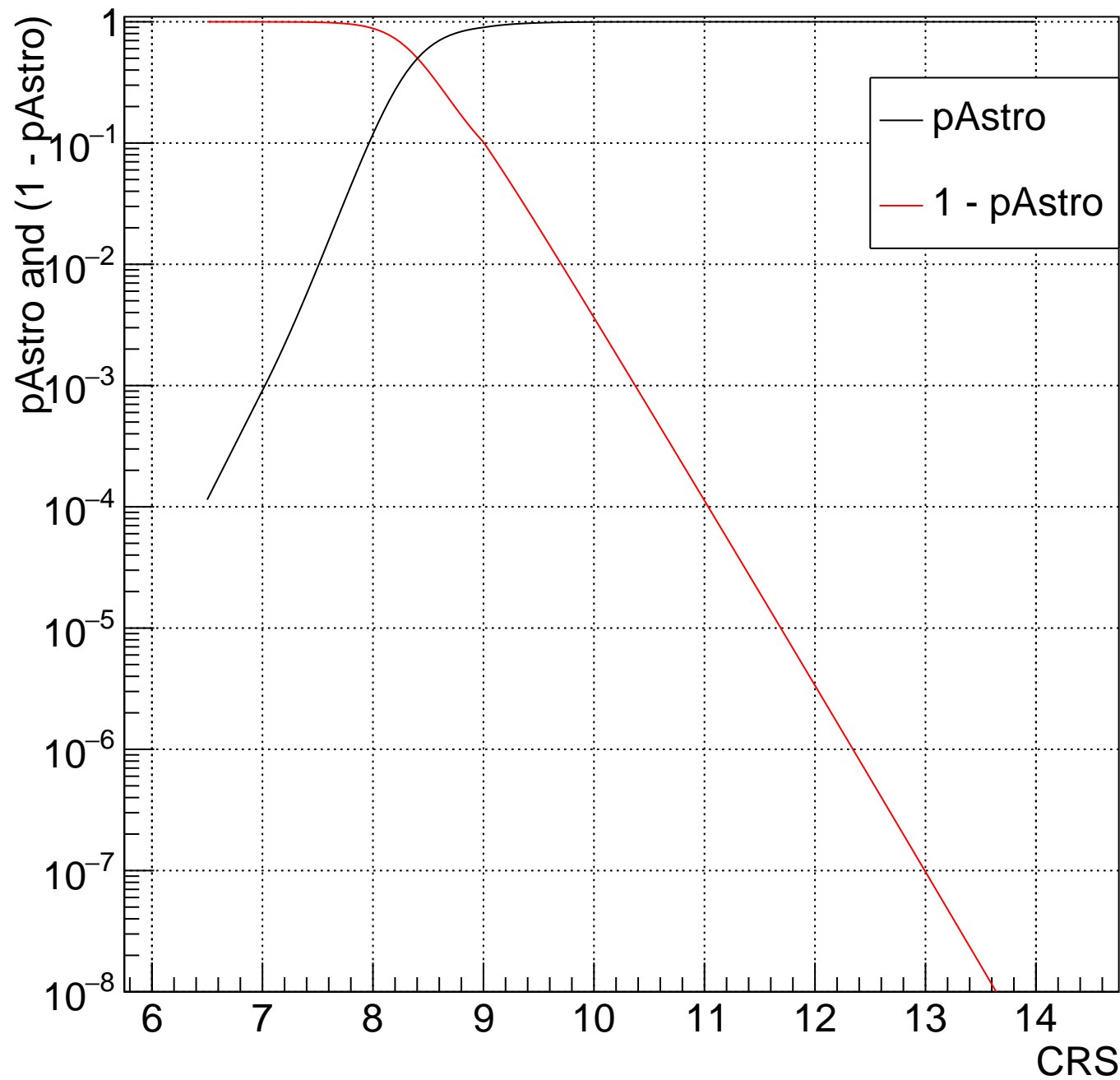
HL Bin:233  $126.4 < m_{\text{Tot}} < 137.8$  and  $0.3333 < \chi_{\text{Eff}} < 1$



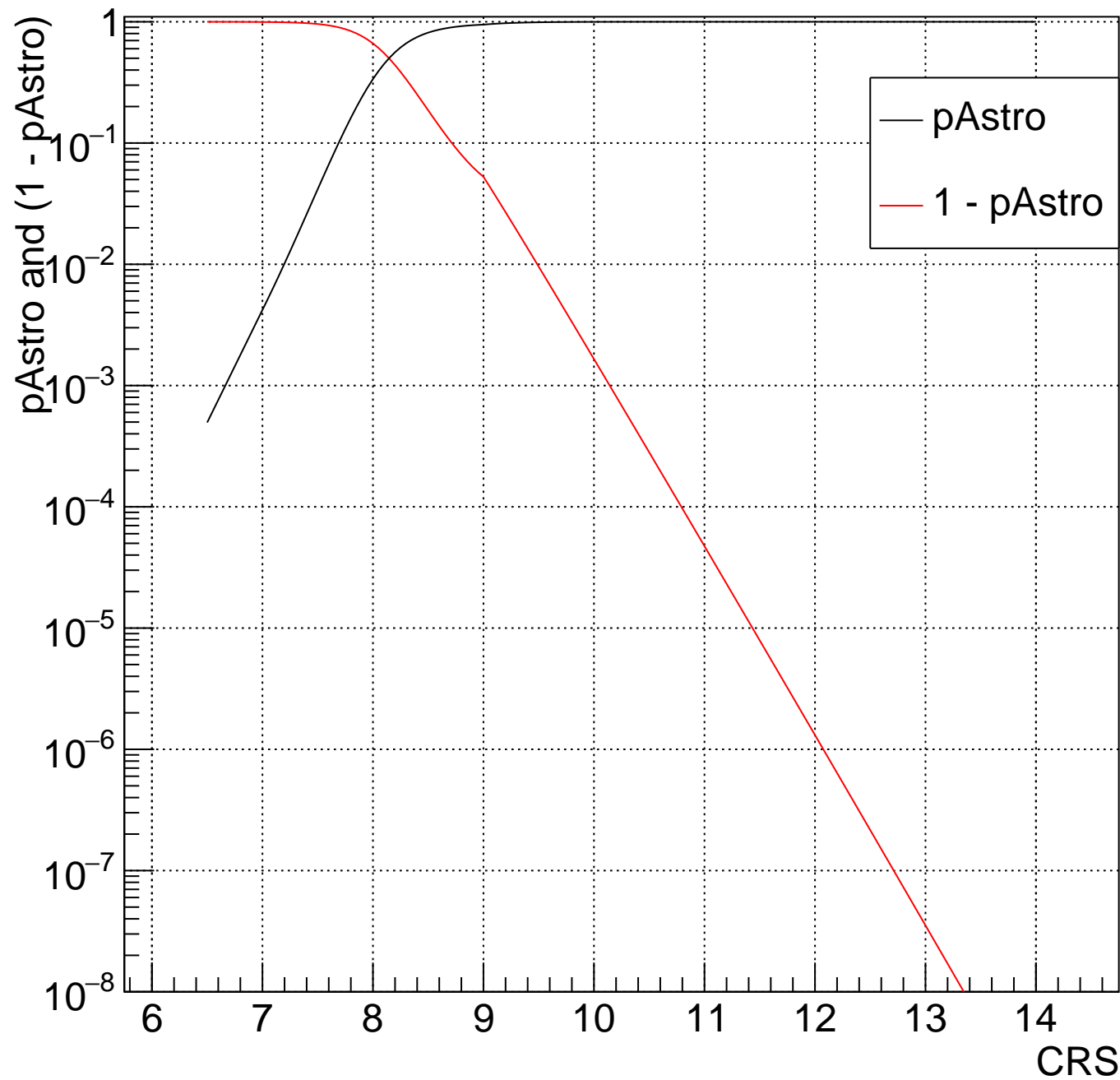
HL Bin:234  $137.8 < m_{\text{Tot}} < 150.2$  and  $0.3333 < \chi_{\text{Eff}} < 1$



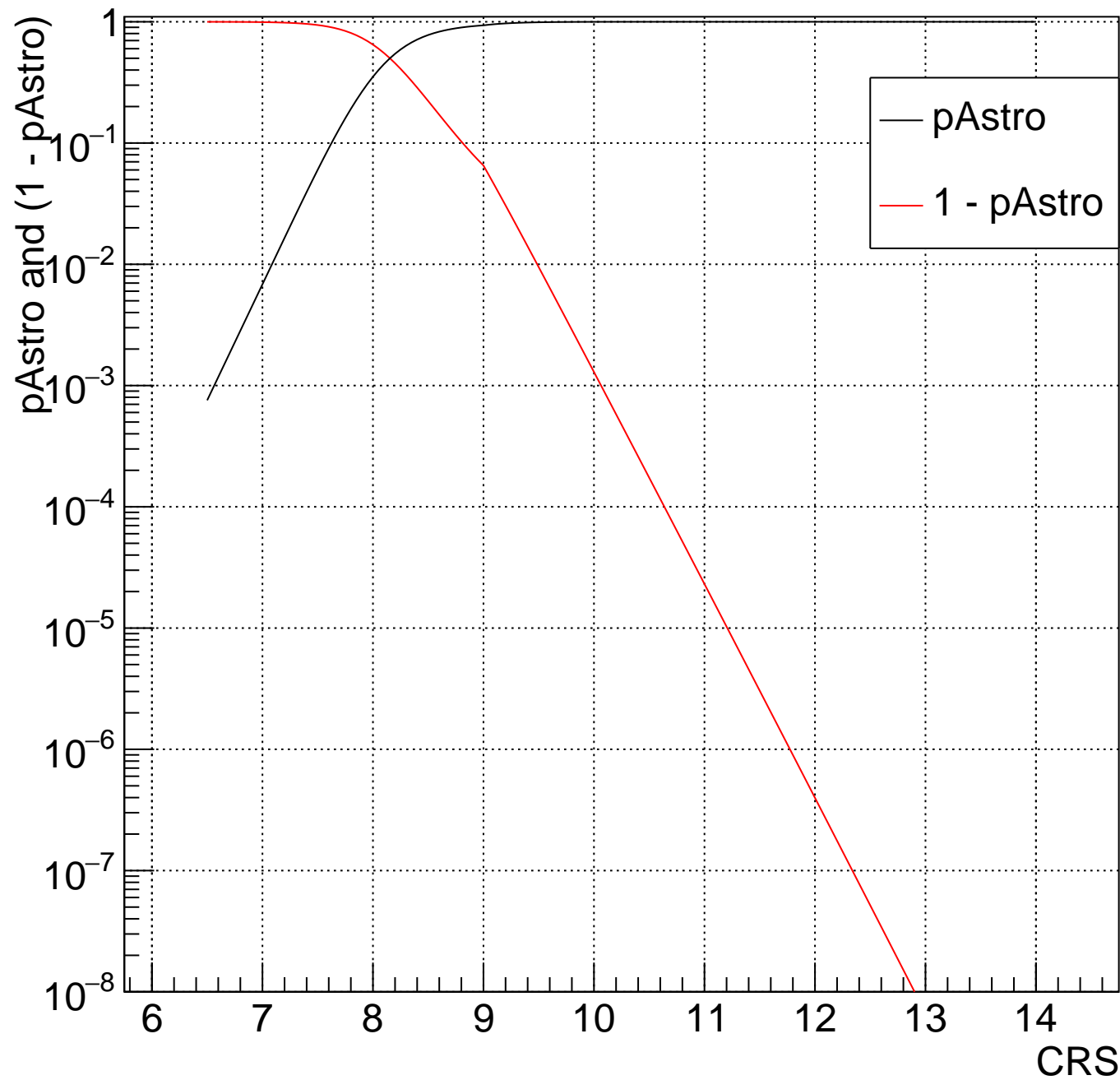
HL Bin:235  $150.2 < m_{\text{Tot}} < 163.6$  and  $0.3333 < \chi_{\text{Eff}} < 1$



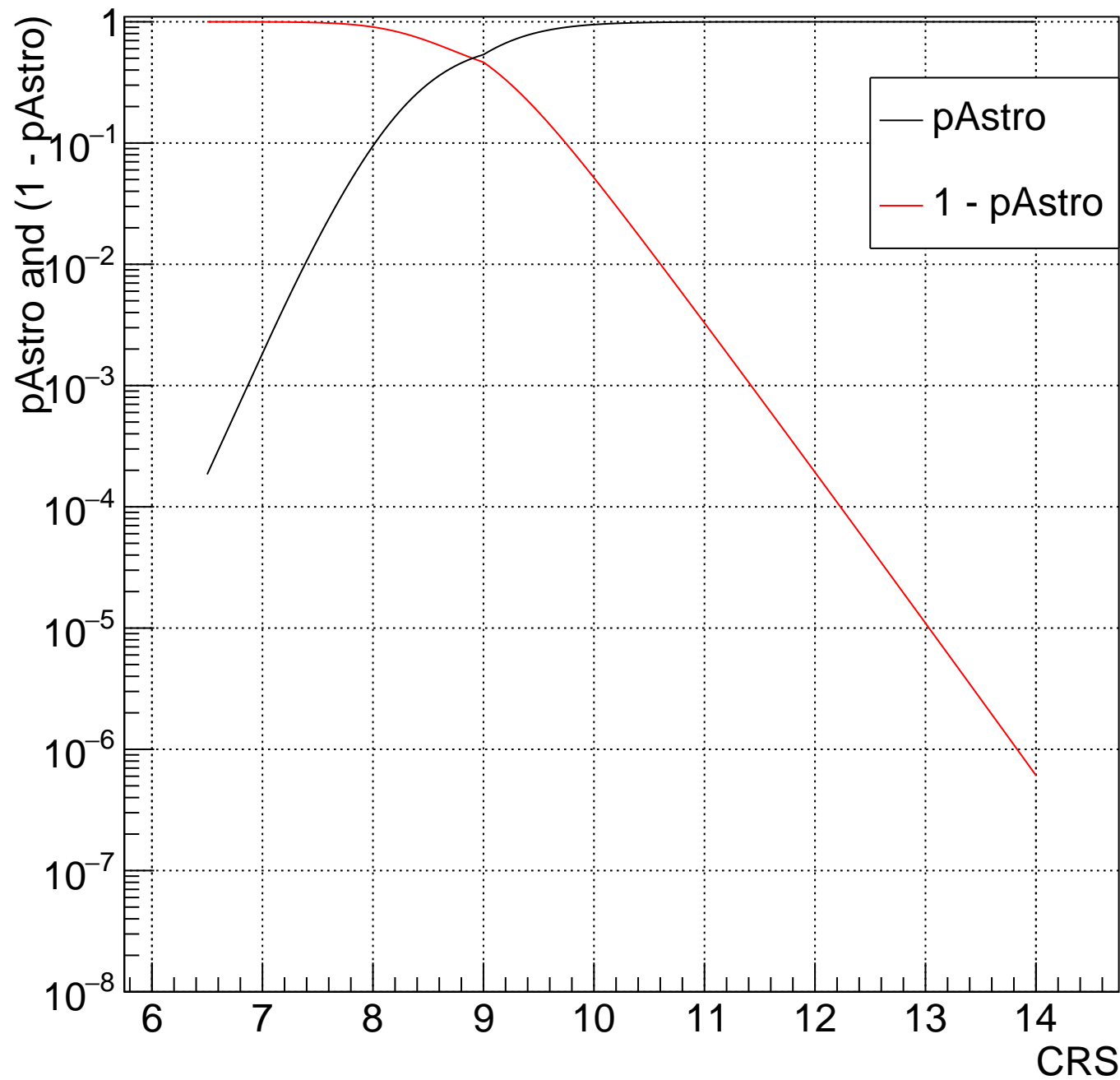
HL Bin:236  $163.6 < m_{\text{Tot}} < 178.3$  and  $0.3333 < \chi_{\text{Eff}} < 1$



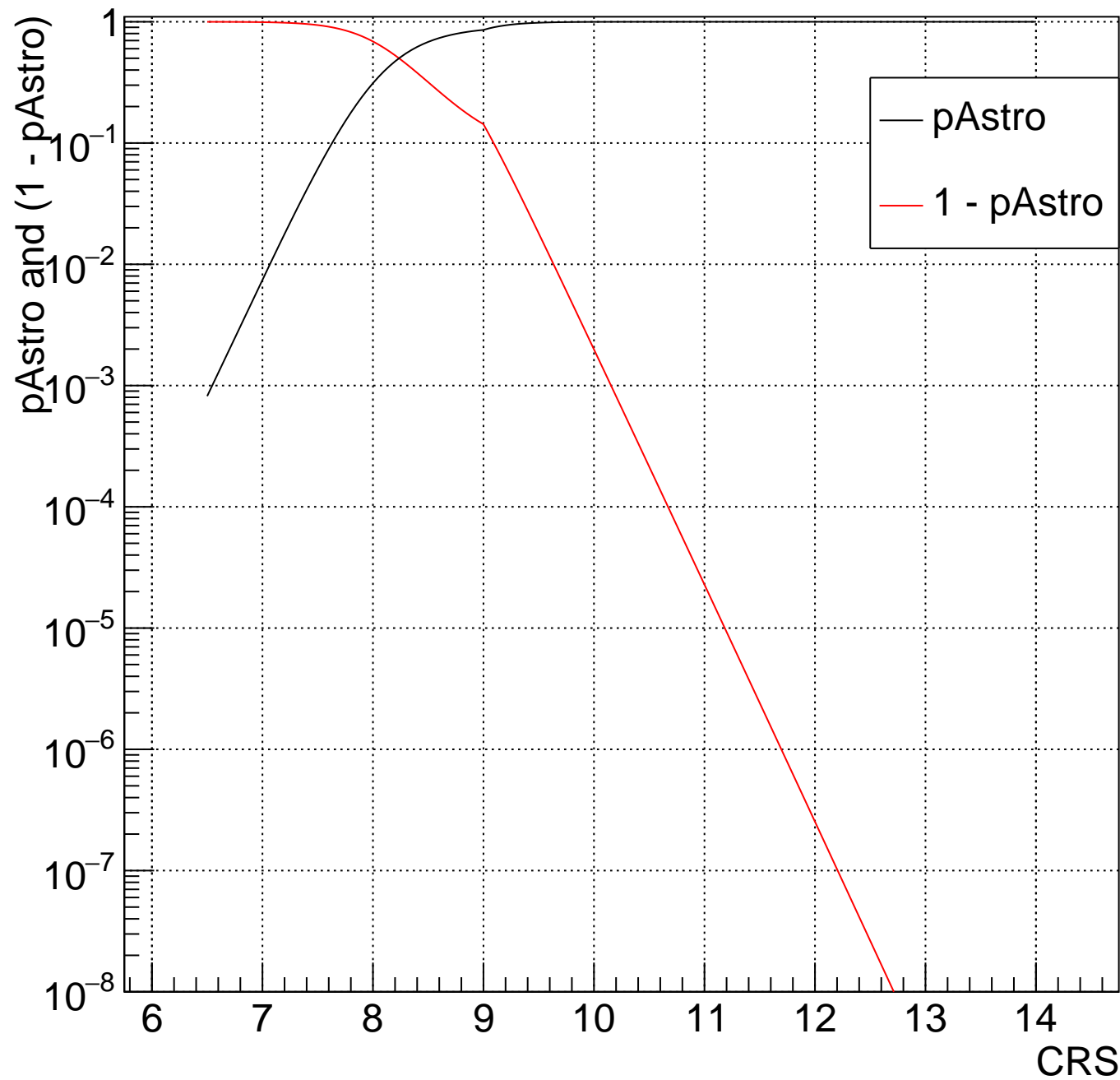
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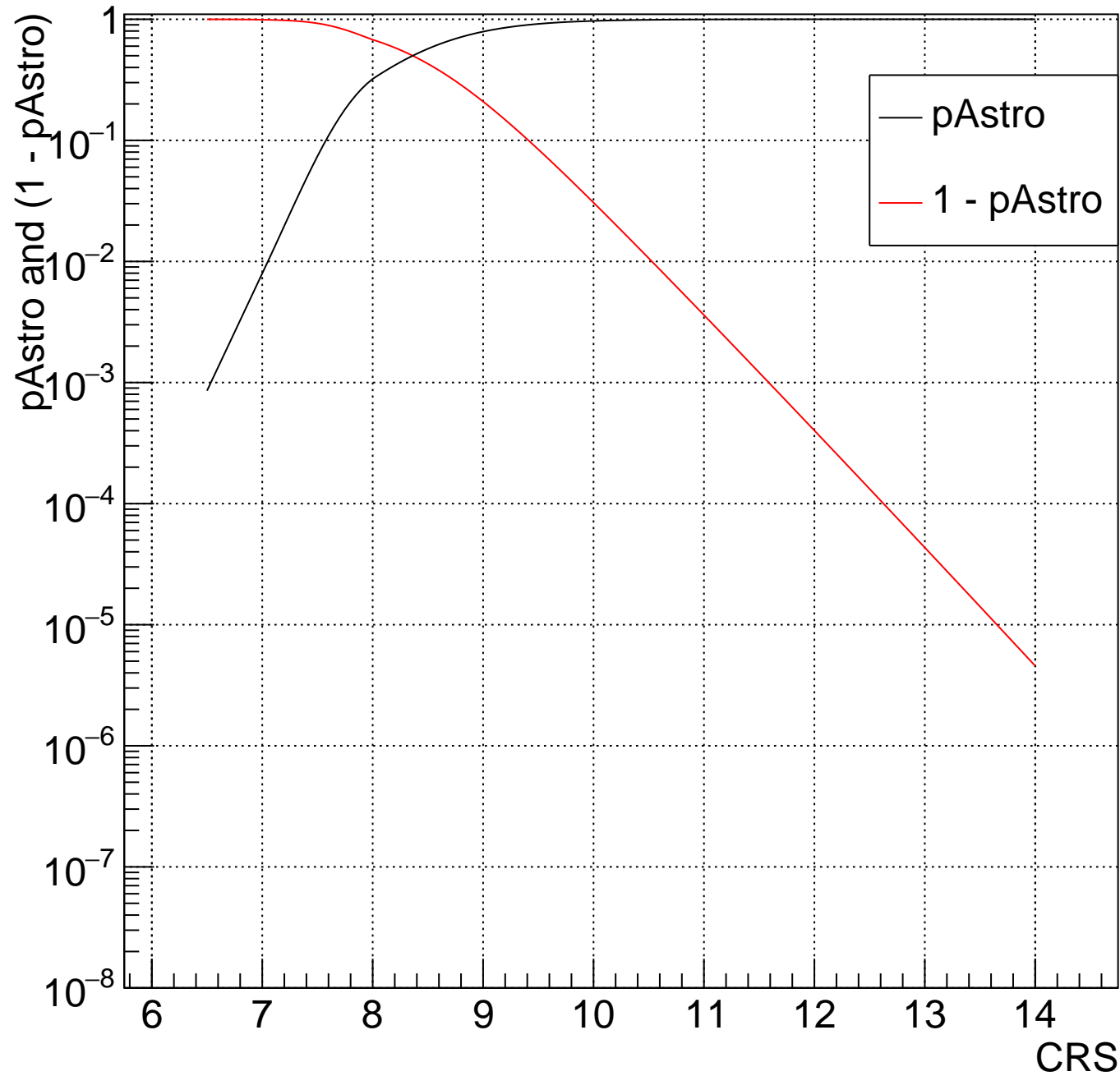
HL Bin:238  $194.3 < m_{\text{Tot}} < 211.7$  and  $0.3333 < \chi_{\text{Eff}} < 1$



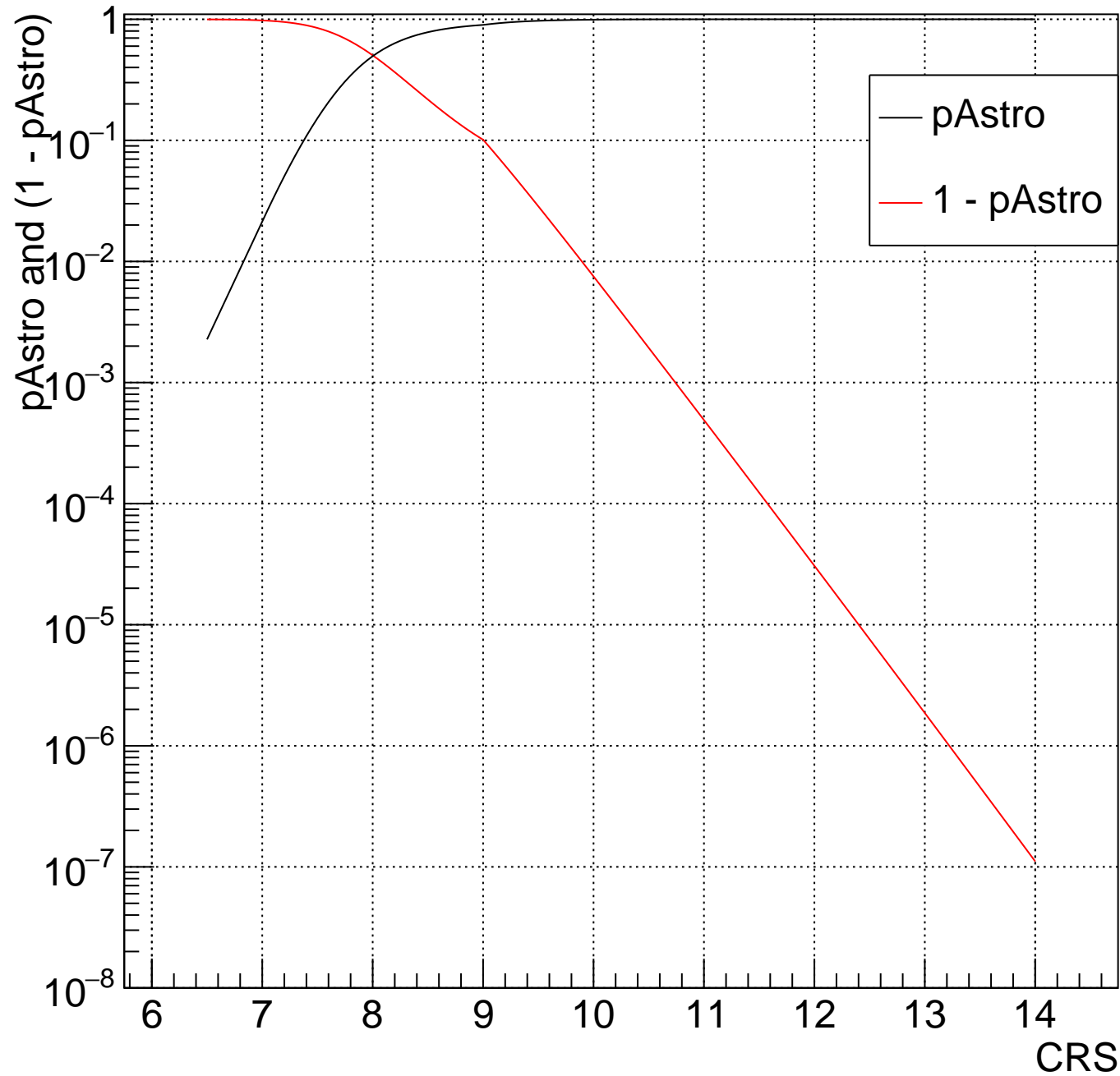
HL Bin:239 211.7<mTot<230.7 and 0.3333<chiEff<1



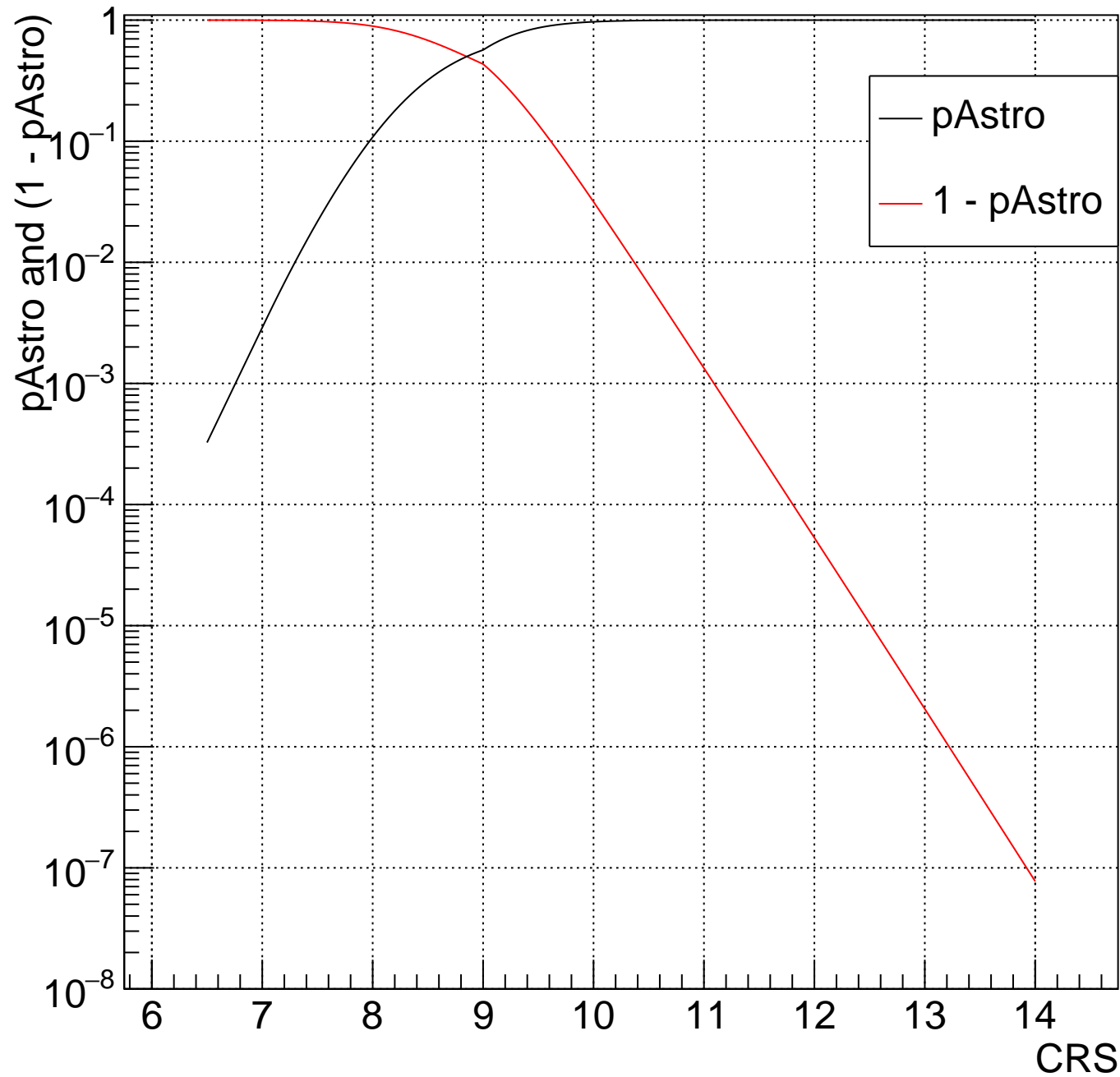
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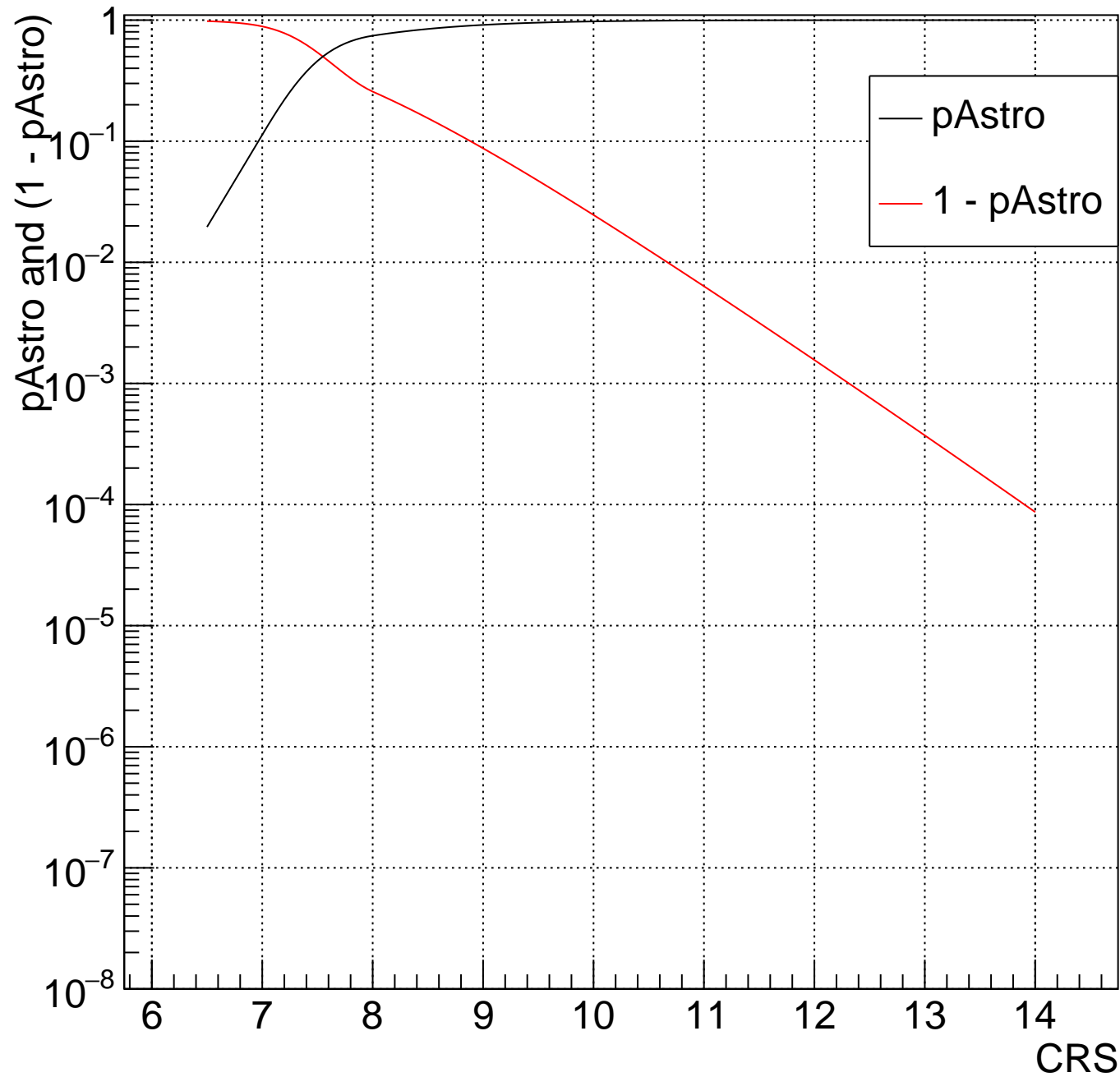
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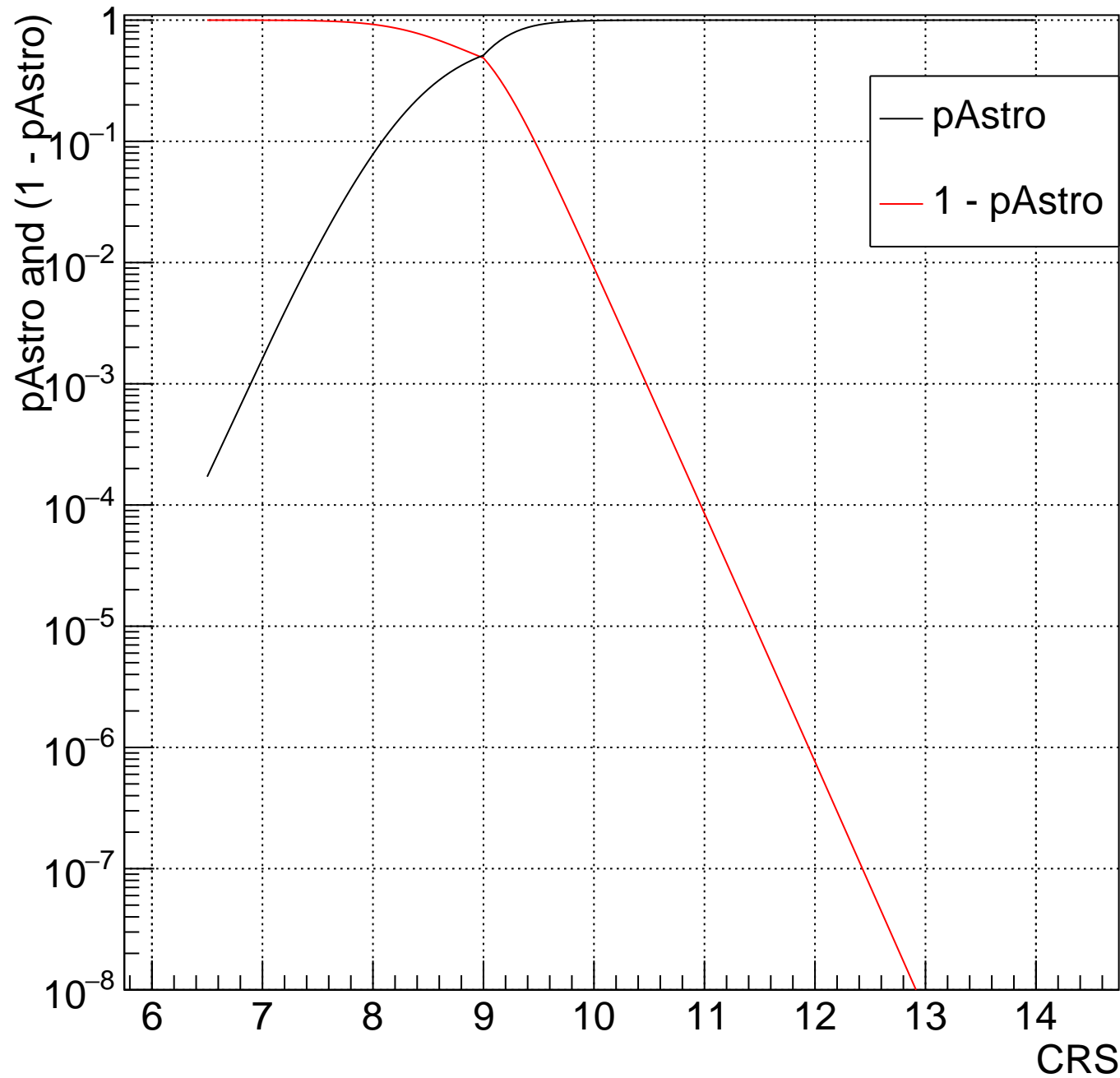
HL Bin:242 274<mTot<298.6 and 0.3333<chiEff<1



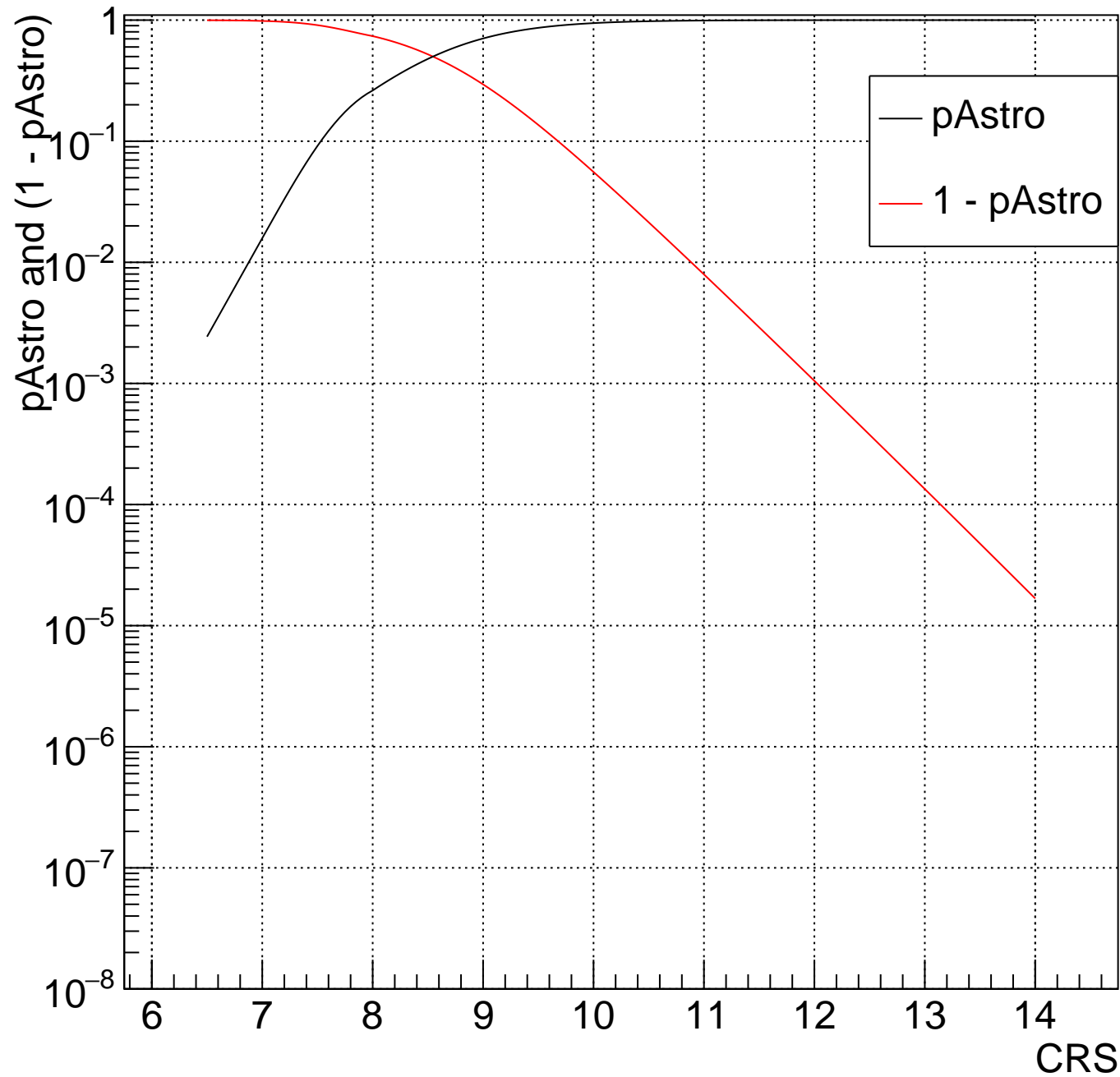
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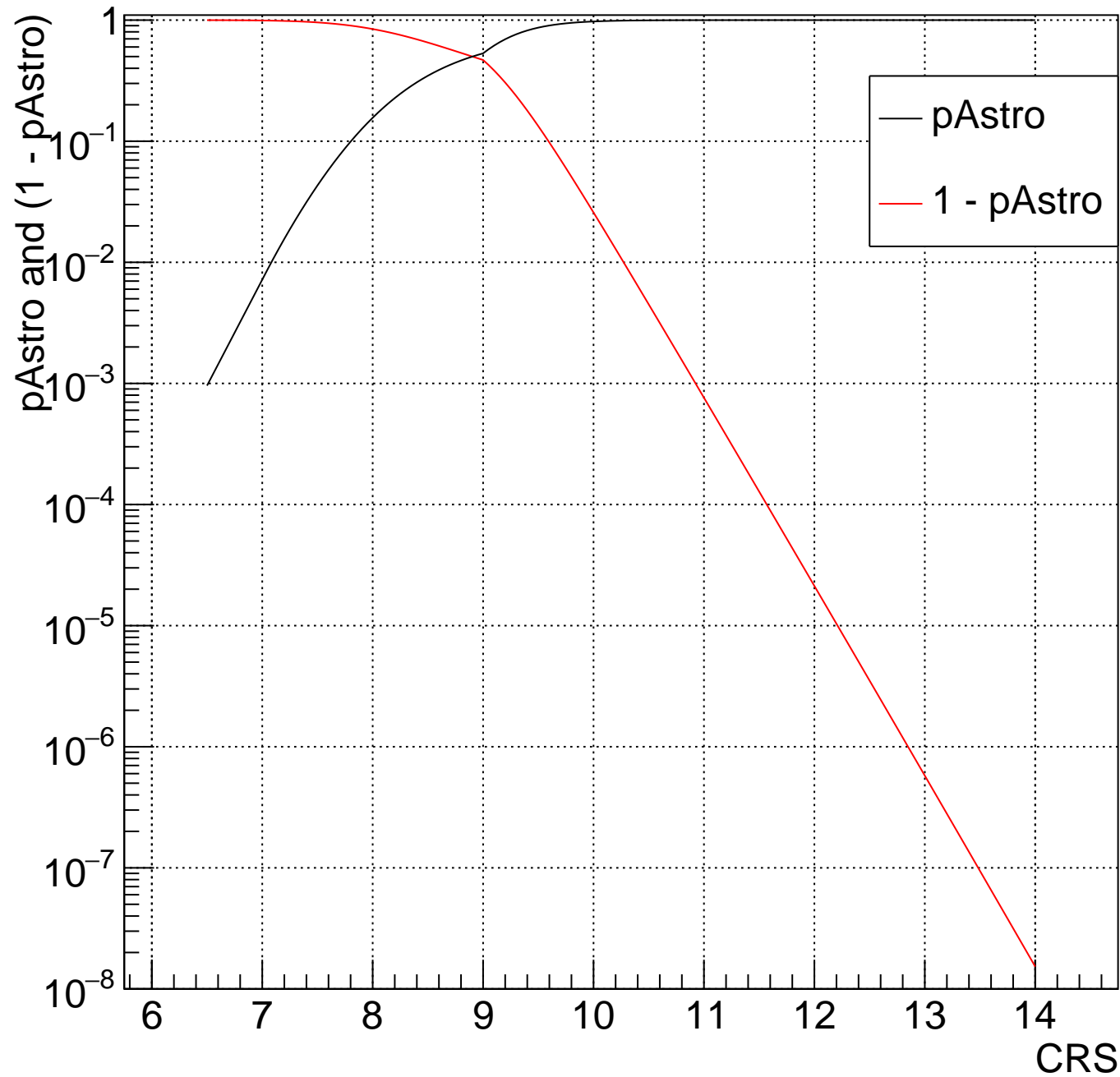
HL Bin:244 325.4<mTot<354.6 and 0.3333<chiEff<1



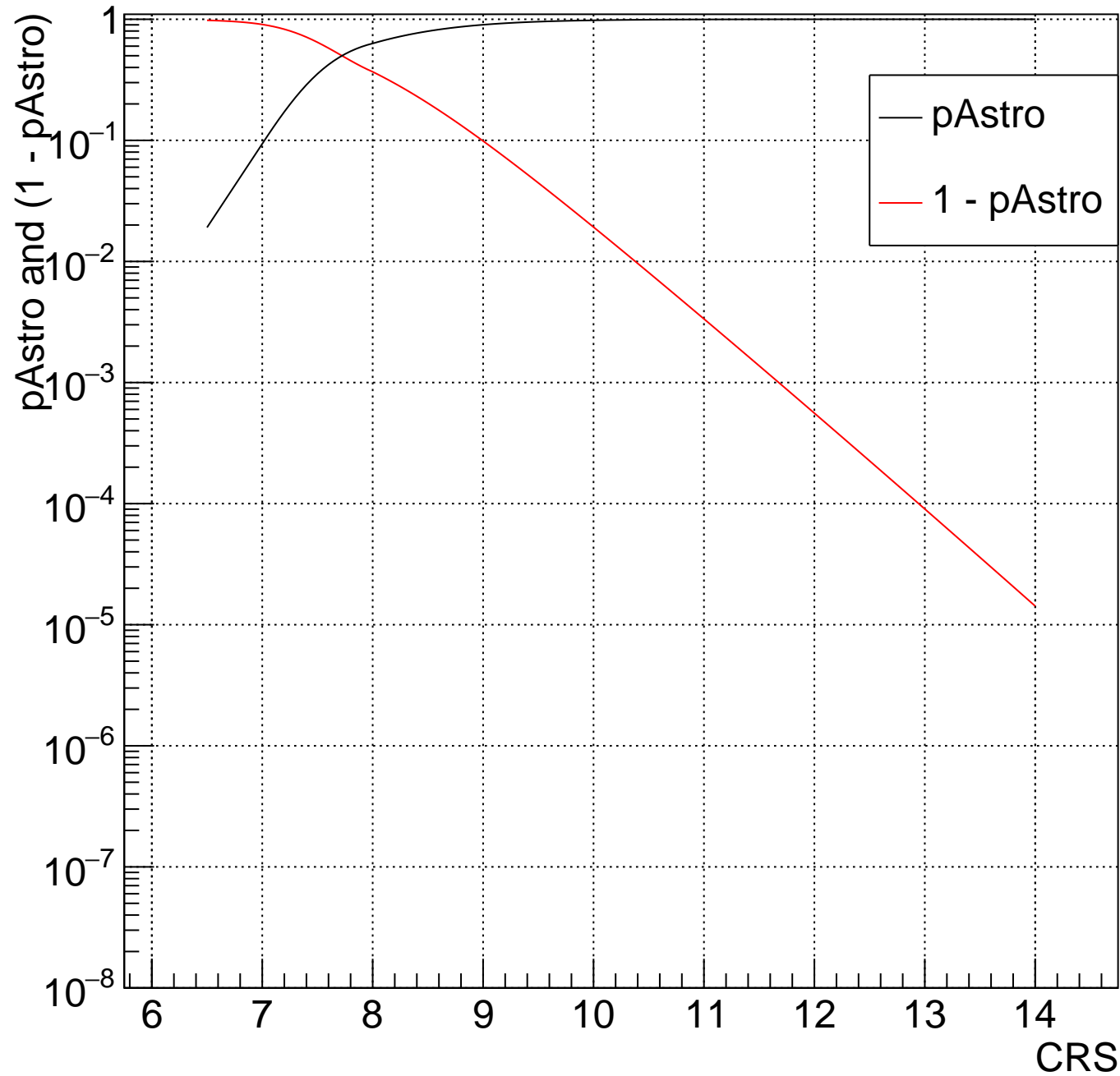
HL Bin:245 354.6<mTot<386.4 and 0.3333<chiEff<1



HL Bin:246 386.4<mTot<421.1 and 0.3333<chiEff<1



HL Bin:247 421.1<mTot<458.8 and 0.3333<chiEff<1



HL Bin:248  $458.8 < m_{\text{Tot}} < 500$  and  $0.3333 < \chi_{\text{Eff}} < 1$

