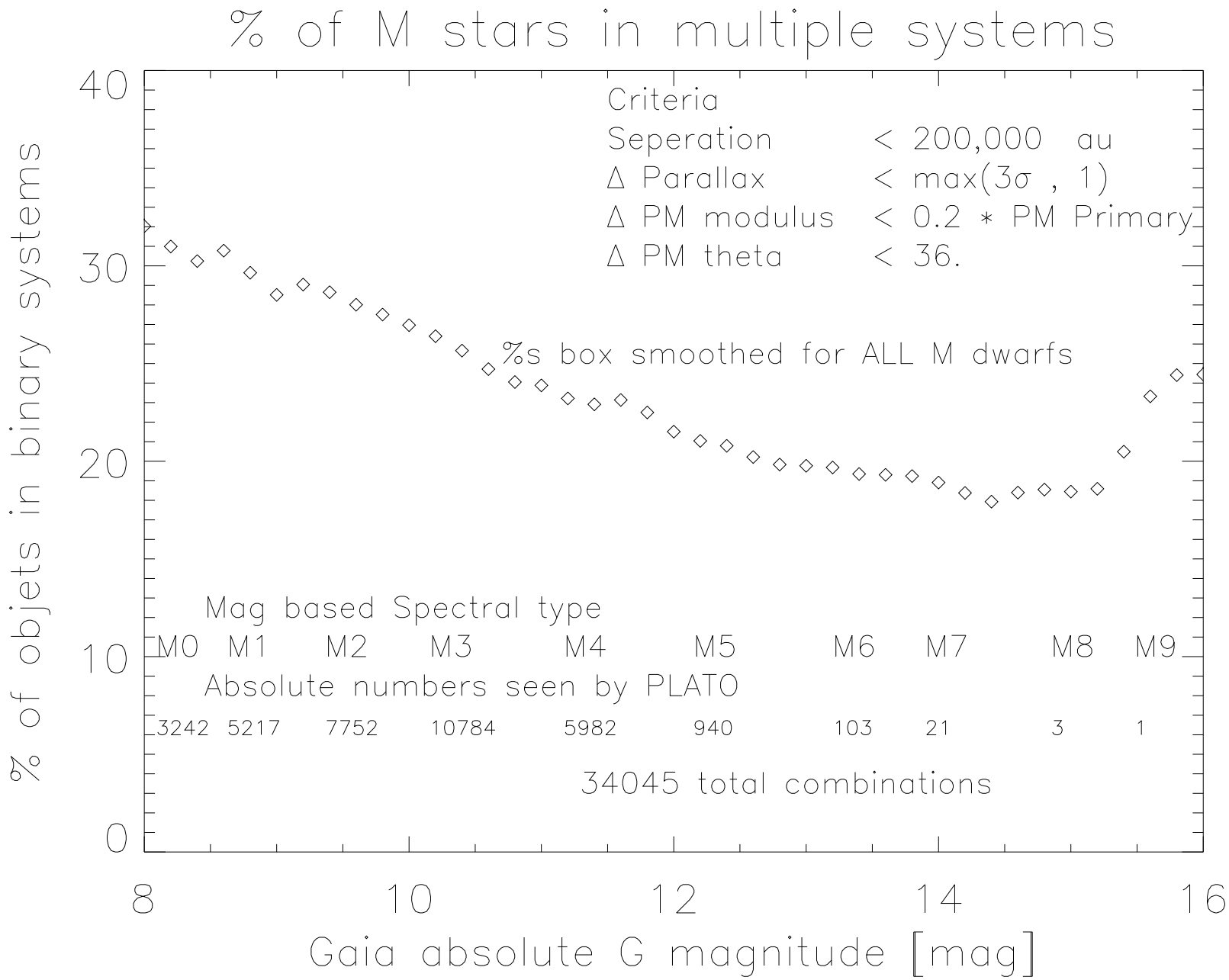
% of M stars in multiple systems
Criteria
Seperation < 200,000 au
Δ Parallax < max(3σ , 1)
Δ PM modulus < 0.2 * PM Primary
Δ PM theta < 36.
%s box smoothed for ALL M dwarfs
Mag based Spectral type
M0 M1 M2 M3 M4 M5 M6 M7 M8 M9
Absolute numbers seen by PLATO
3242 5217 7752 10784 5982 940 103 21 3 1
34045 total combinations
% of objets in binary systems
Gaia absolute G magnitude [mag]
0
10
20
30
40
8
10
12
14
16