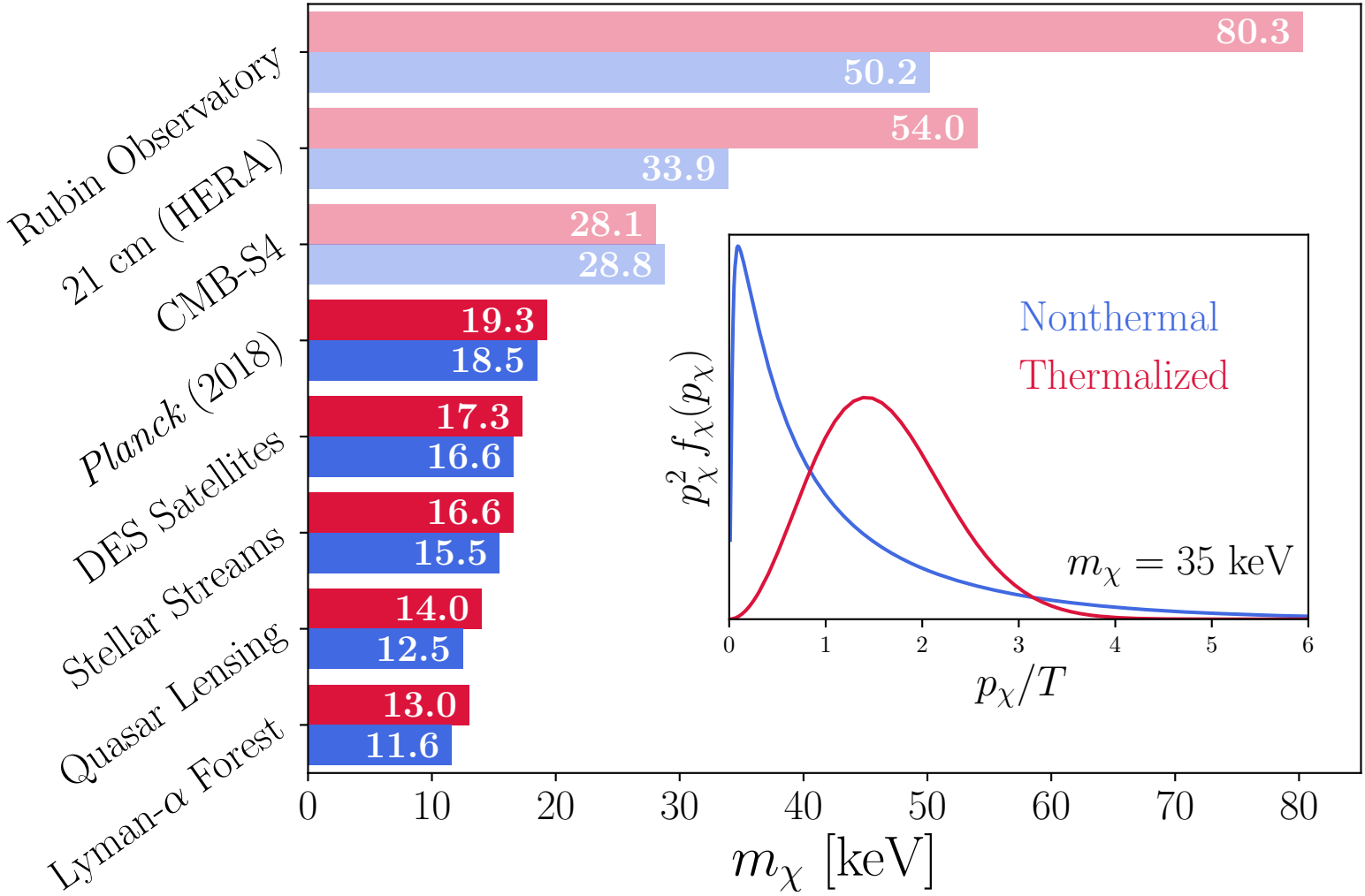
Rubin Observatory
21 cm (HERA)
CMB-S4
Planck (2018)
DES Satellites
Stellar Streams
Quasar Lensing
Lyman-α Forest
80.3
50.2
54.0
33.9
28.1
28.8
19.3
18.5
17.3
16.6
16.6
15.5
14.0
12.5
13.0
11.6
0
10
20
30
40
50
60
70
80
m_χ [keV]
Nonthermal
Thermalized
$m_\chi = 35$ keV
$p_\chi^2 f_\chi(p_\chi)$
0
1
2
3
4
5
6
p_χ/T