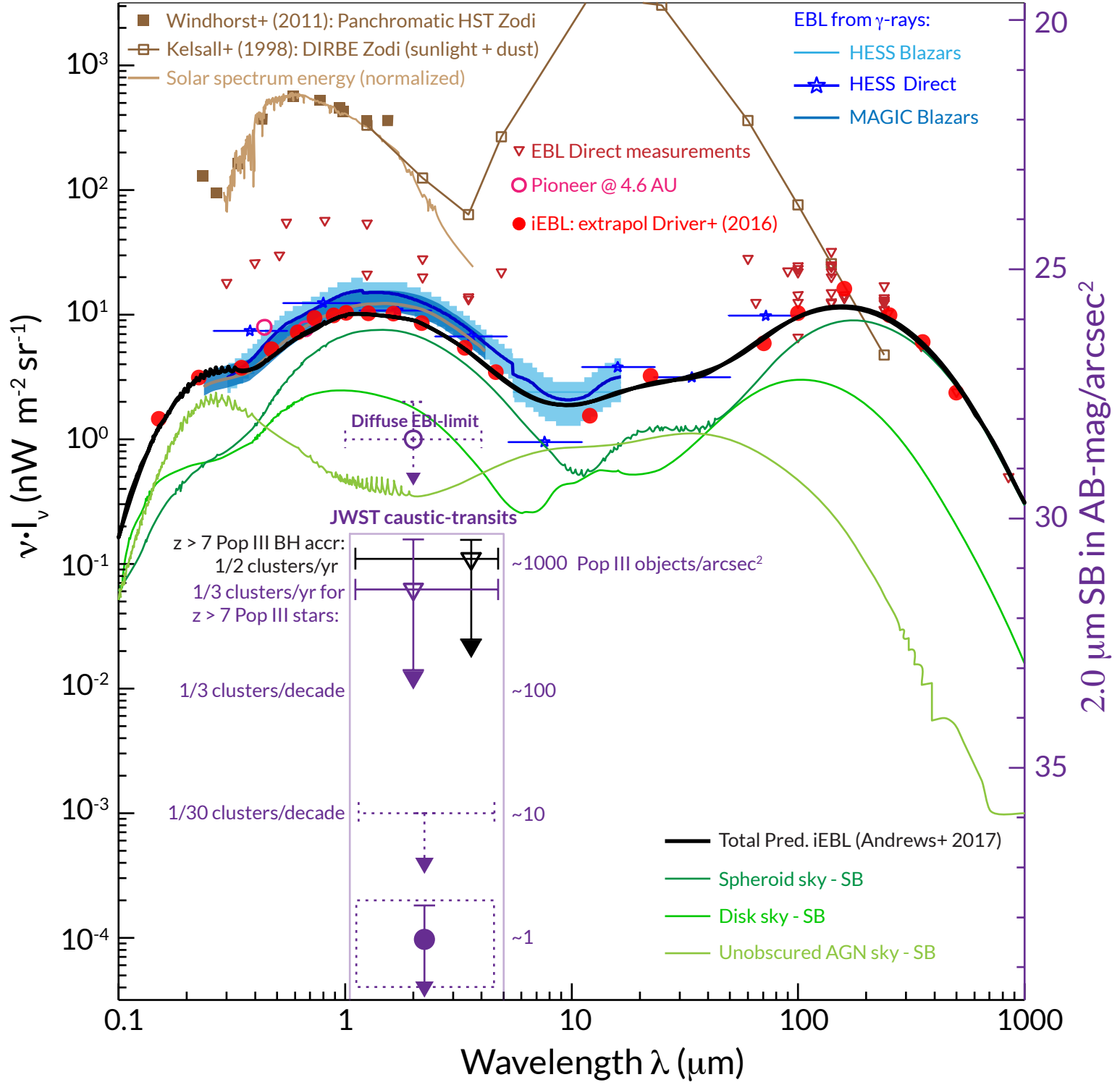
Windhorst+ (2011): Panchromatic HST Zodi
Kelsall+ (1998): DIRBE Zodi (sunlight + dust)
Solar spectrum energy (normalized)
EBL from γ-rays:
HESS Blazars
HESS Direct
MAGIC Blazars
EBL Direct measurements
Pioneer @ 4.6 AU
iEBL: extrapol Driver+ (2016)
Diffuse EBL-limit
JWST caustic-transits
z > 7 Pop III BH accr:
1/2 clusters/yr
1/3 clusters/yr for
z > 7 Pop III stars:
1/3 clusters/decade
1/30 clusters/decade
~1000 Pop III objects/arcsec²
~100
~10
~1
Total Pred. iEBL (Andrews+ 2017)
Spheroid sky - SB
Disk sky - SB
Unobscured AGN sky - SB
ν·I_ν (nW m⁻² sr⁻¹)
2.0 μm SB in AB-mag/arcsec²
Wavelength λ (μm)
0.1
1
10
100
1000
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
20
25
30
35