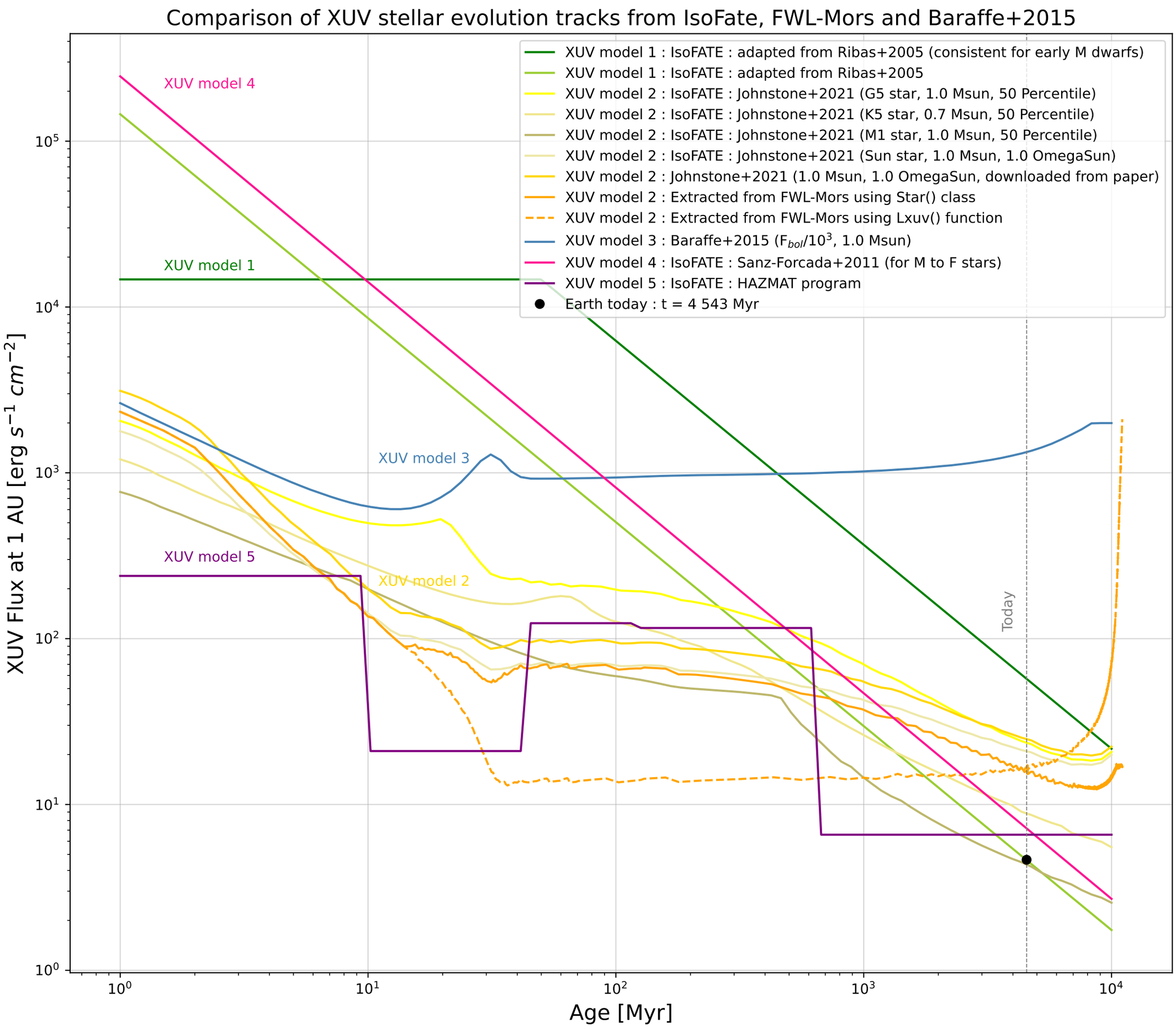
Comparison of XUV stellar evolution tracks from IsoFate, FWL-Mors and Baraffe+2015
XUV model 1 : IsoFATE : adapted from Ribas+2005 (consistent for early M dwarfs)
XUV model 1 : IsoFATE : adapted from Ribas+2005
XUV model 2 : IsoFATE : Johnstone+2021 (G5 star, 1.0 Msun, 50 Percentile)
XUV model 2 : IsoFATE : Johnstone+2021 (K5 star, 0.7 Msun, 50 Percentile)
XUV model 2 : IsoFATE : Johnstone+2021 (M1 star, 1.0 Msun, 50 Percentile)
XUV model 2 : IsoFATE : Johnstone+2021 (Sun star, 1.0 Msun, 1.0 OmegaSun)
XUV model 2 : Johnstone+2021 (1.0 Msun, 1.0 OmegaSun, downloaded from paper)
XUV model 2 : Extracted from FWL-Mors using Star() class
XUV model 2 : Extracted from FWL-Mors using Lxuv() function
XUV model 3 : Baraffe+2015 (F_bol/10^3, 1.0 Msun)
XUV model 4 : IsoFATE : Sanz-Forcada+2011 (for M to F stars)
XUV model 5 : IsoFATE : HAZMAT program
Earth today : t = 4 543 Myr
XUV model 4
XUV model 1
XUV model 3
XUV model 5
XUV model 2
Today
XUV Flux at 1 AU [erg s^-1 cm^-2]
Age [Myr]
10^0
10^1
10^2
10^3
10^4
10^5