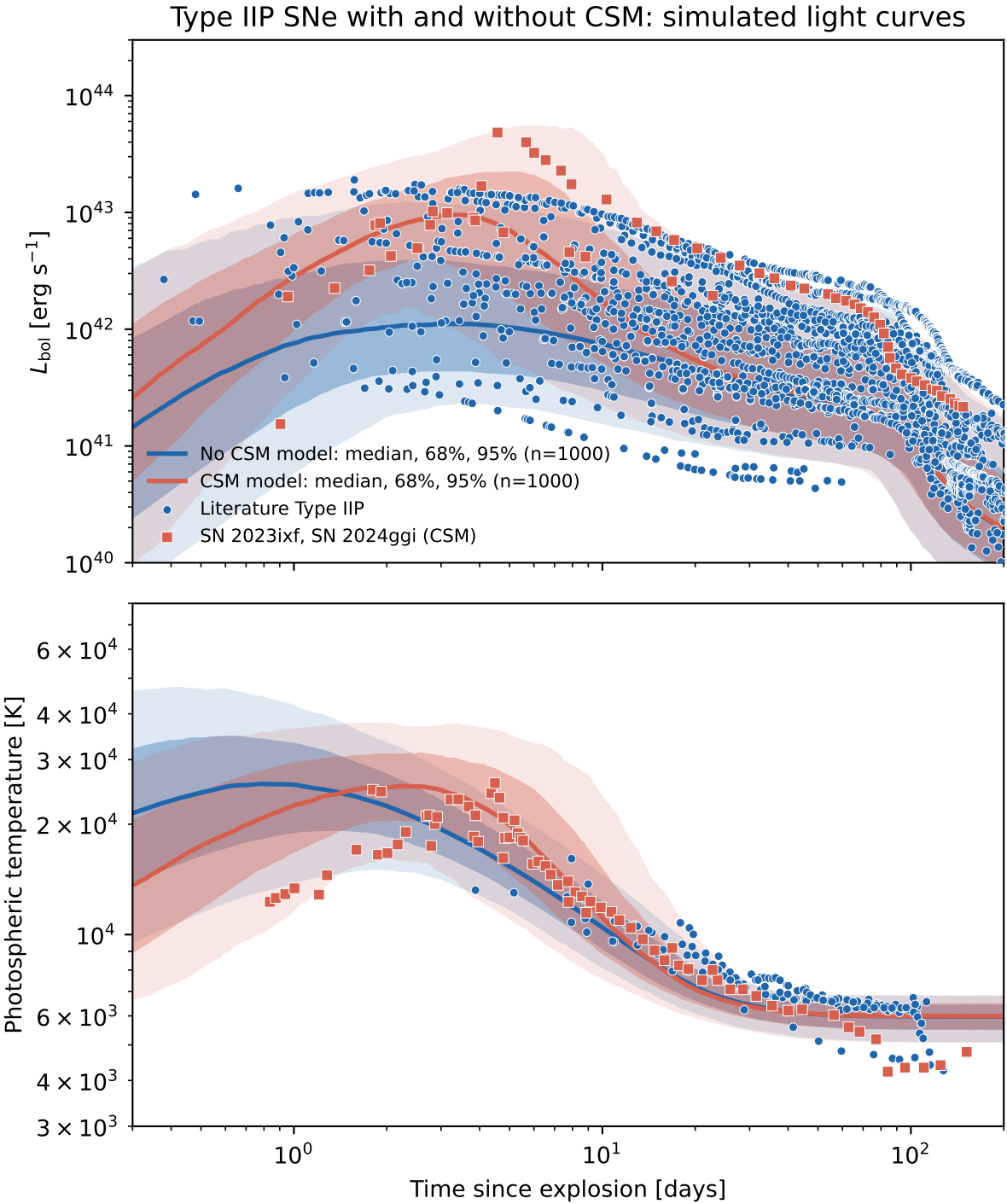
Type IIP SNe with and without CSM: simulated light curves
L_{bol} [erg s^{-1}]
10^{44}
10^{43}
10^{42}
10^{41}
10^{40}
No CSM model: median, 68%, 95% (n=1000)
CSM model: median, 68%, 95% (n=1000)
Literature Type IIP
SN 2023ixf, SN 2024ggi (CSM)
Photospheric temperature [K]
6×10^4
4×10^4
3×10^4
2×10^4
10^4
6×10^3
4×10^3
3×10^3
10^0
10^1
10^2
Time since explosion [days]