**SBSM GMPE Hazard Curves** 10<sup>0</sup> 10<sup>-1</sup> Exceedance 10<sup>2</sup> One Year Probability of  $10^{-3}$  $10^{-4}$ 10<sup>-5</sup>  $10^{-6}$  $10^{-7}$   $10^{-2}$  $1.0^{-1}$ 3 4 5 6 7 1 0  $3 4 5 6 7 10^{1}$ 2 2 3 4 5 6 3s SA -ASK2014, TI - ASK2014, TD - ASK2014, ETAS - ASK2014+BS13 Directivity, ETAS

DATASET #1 (line: Solid, width=3.0; color: 0,0,255)

ASK2014, TI

DATASET #2 (line: Solid, width=3.0; color: 0,178,0)

ASK2014, TD

DATASET #3 (line: Dashed, width=1.5; color: 255,0,0)

ASK2014, ETAS

DATASET #4 (line: Solid, width=3.0; color: 255,0,0)

ASK2014+BS13 Directivity, ETAS