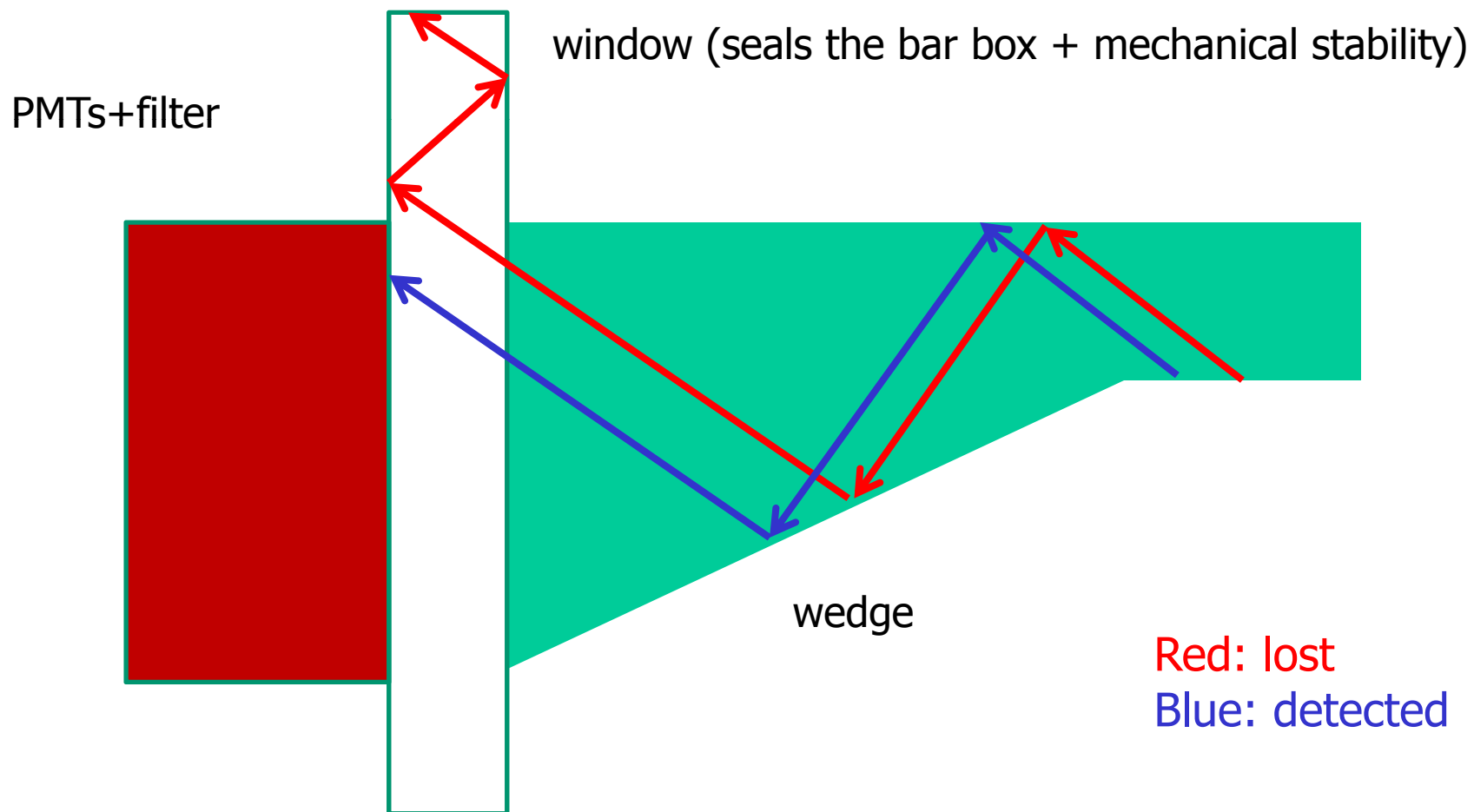


TOP simulation: effect of window thickness

M. Starič

Window between the wedge and PMTs+filter: **a fraction of photons is lost**



MC results for the photon loss

Clearly, the fraction of lost photons depends on the thickness of the window

window thickness	detected photons
0mm	22.0
5mm	21.0
9.5mm	20.3

→ about 10% loss for 1cm thick window

For mechanical stability the window has to be thick enough – but we have to understand that we lose some part of photons.