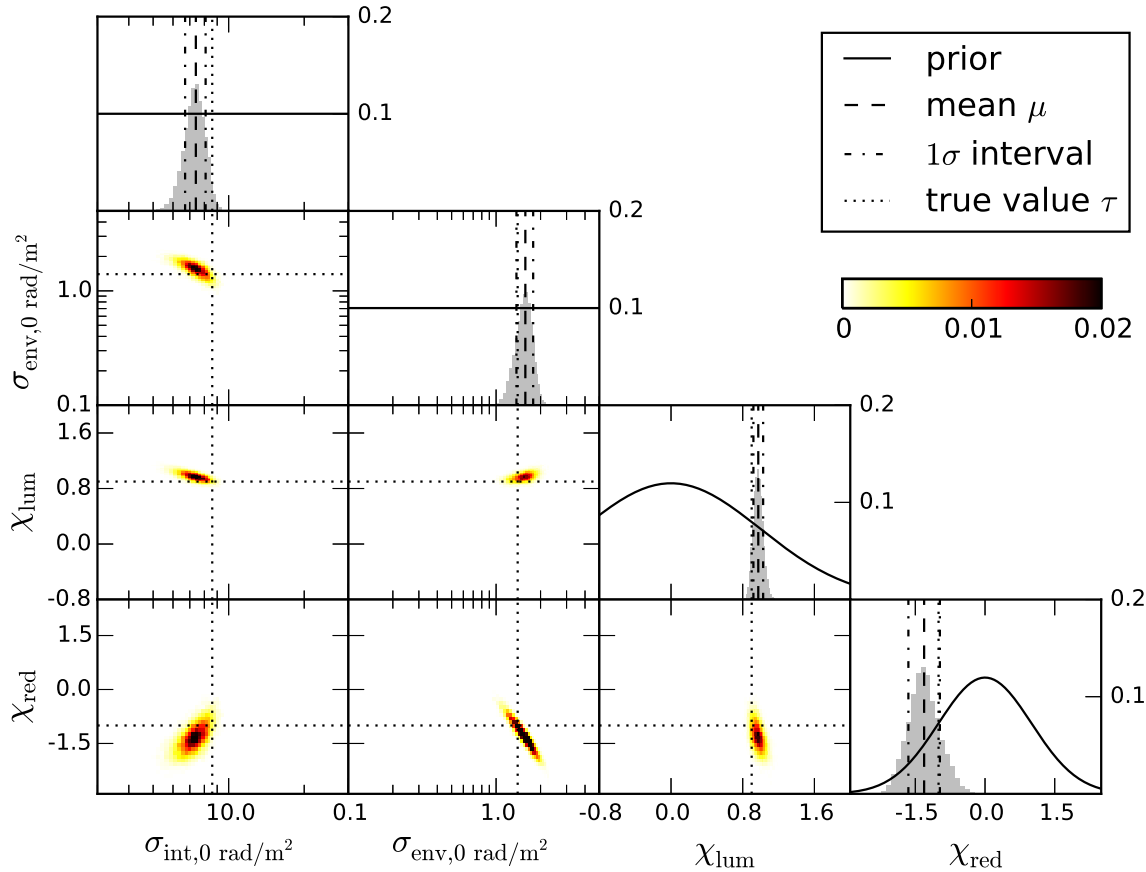
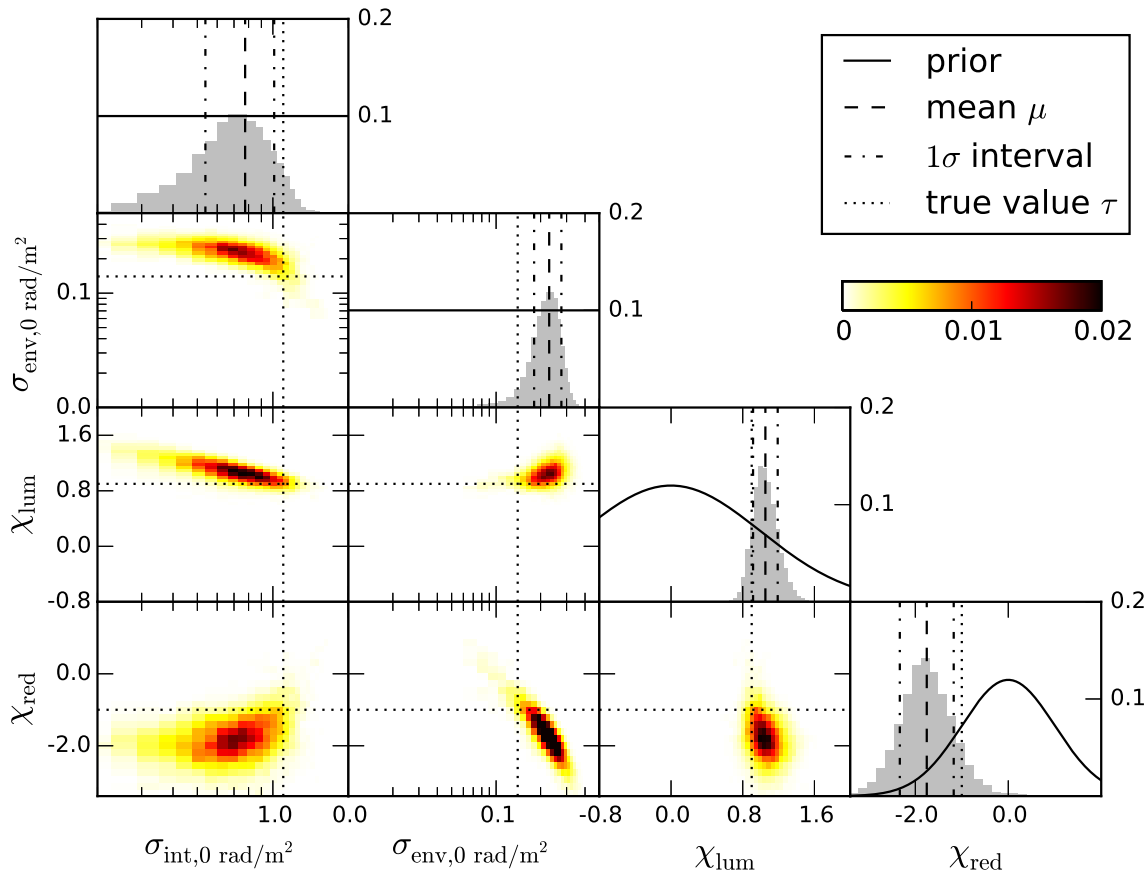
(a)


prior
mean μ
1σ interval
true value τ
0
0.01
0.02
$\sigma_{\mathrm{env,0\ rad/m^2}}$
χ_{lum}
χ_{red}
$\sigma_{\mathrm{int,0\ rad/m^2}}$
$\sigma_{\mathrm{env,0\ rad/m^2}}$
χ_{lum}
χ_{red}

(b)


prior
mean μ
1σ interval
true value τ
0
0.01
0.02
$\sigma_{\mathrm{env,0\ rad/m^2}}$
χ_{lum}
χ_{red}
$\sigma_{\mathrm{int,0\ rad/m^2}}$
$\sigma_{\mathrm{env,0\ rad/m^2}}$
χ_{lum}
χ_{red}