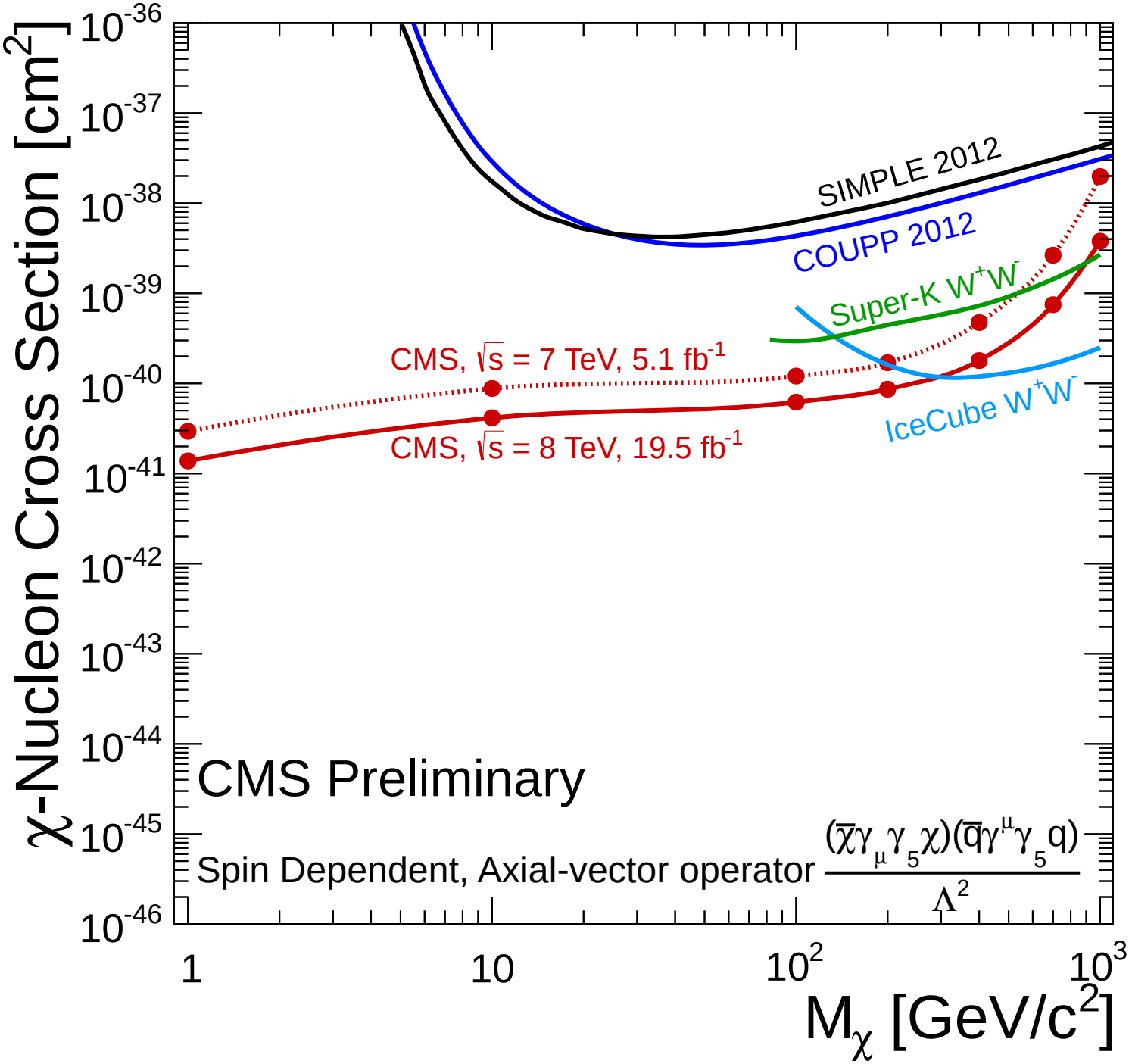
χ-Nucleon Cross Section [cm²]
10⁻³⁶
10⁻³⁷
10⁻³⁸
10⁻³⁹
10⁻⁴⁰
10⁻⁴¹
10⁻⁴²
10⁻⁴³
10⁻⁴⁴
10⁻⁴⁵
10⁻⁴⁶
1
10
10²
10³
M_χ [GeV/c²]
SIMPLE 2012
COUPP 2012
Super-K W⁺W⁻
IceCube W⁺W⁻
CMS, √s = 7 TeV, 5.1 fb⁻¹
CMS, √s = 8 TeV, 19.5 fb⁻¹
CMS Preliminary
Spin Dependent, Axial-vector operator
$\frac{(\bar{\chi}\gamma_\mu\gamma_5\chi)(\bar{q}\gamma^\mu\gamma_5 q)}{\Lambda^2}$