<pre> > probe : PDG-code = 14 (nu_mu) > nucl. target : Z = 8, A = 16, PDG-Code = 1000080160 (016) > hit nucleon : no set > hit quark : no set</pre>						
> probe 4P : (E =	0, Px =	0, Py =	0, Pz =	0)		
> target 4P : (E =)			0, Pz =			
at Ev = 1e+06 GeV						
1522310215 NOTICE gevgen : [n] <gevgen.cxx::generateeventsatfixedinitstate (299)=""> : *** Generating event</gevgen.cxx::generateeventsatfixedinitstate>						
1522310215 NOTICE GEVGDriver : [n] <gevgdriver.cxx::generateevent (318)=""> :</gevgdriver.cxx::generateevent>						
Requesting from event generation thread: genie::EventGenerator/DIS-CC to generate the selected interaction						
			· · · · · · · · · · · · · · · · · · ·			
1522310215 WARN GEVGDriver : [n] <gevgdriver.cxx::generateevent (336)=""> : An unphysical event was generated</gevgdriver.cxx::generateevent>						
<pre>1522310215 WARN GEVGDriver : [n] <gevgdriver.cxx::generateevent (346)=""> : The generated unphysical event is rejected 1522310215 WARN GEVGDriver : [n] <gevgdriver.cxx::generateevent (353)=""> : Attempting to regenerate the event 1522310215 NOTICE GEVGDriver : [n] <gevgdriver.cxx::generateevent (318)=""> :</gevgdriver.cxx::generateevent></gevgdriver.cxx::generateevent></gevgdriver.cxx::generateevent></pre>						

E [GeV]	Trials	
1e5	0	
1e6	1	
1e7	49	
1e8	194	

Found a program that is used to compute NLO cross section \rightarrow DISPred

- · It was used by Cooper-Sakkar (2011) \rightarrow ICECUBE
- Inherit classes from LHAPDF.
- NLO computation of F2, F3 and F1 is performed with QCDNUM (developed by Michiel Botje from NIKHEF!).
- · I am implementing it in our homemade code (seems quite easy).