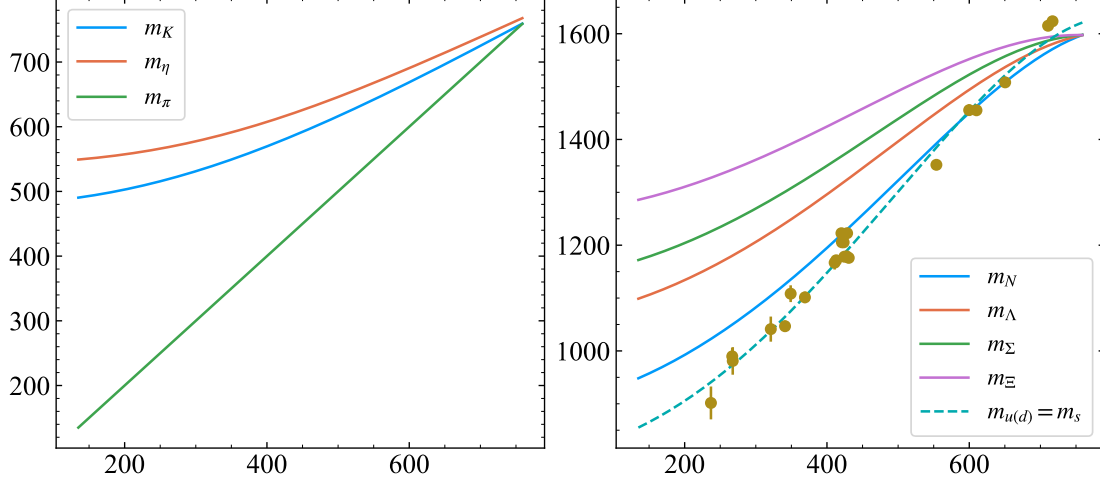
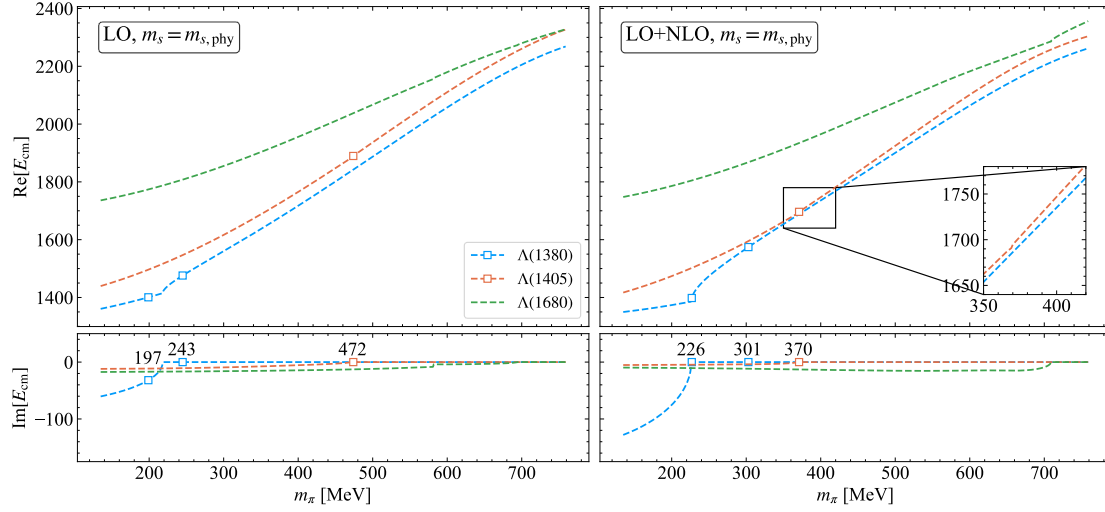


1 SU(3) limit in the trajectory $m_s = m_{s,\text{phy}}$

In this trajectory, the pion mass in the SU(3) limit is $m_\pi = 758$ MeV. The trajectory of the hadron masses is given in Fig.



The trajectories of the two poles of the $\Lambda(1405)$ is given in Fig.



In the SU(3) limit, the pole positions is given in Table

LO		LO+NLO		
2268	2328	2262	2304	2367(RS- - -)

Table 1: The poles found in the SU(3) limit. Units in MeV. Up to NLO, the third pole is in the unphysical sheet, while other poles are in the physical sheet.