

| Muon selection | muon ID1 | muon ID2 |
|---------------------------|------------------------|------------------------|
| Online selection: | $ \eta < 2.4$ | $ \eta < 2.4$ |
| Single muon | $p_T > 24 \text{ GeV}$ | $p_T > 50 \text{ GeV}$ |
| | Online iso | |
| Offline selection: | $ \eta < 2.4$ | $ \eta < 2.4$ |
| Two opposite-charge muons | $p_T > 26 \text{ GeV}$ | $p_T > 53 \text{ GeV}$ |
| | Offline iso1 < 0.25 | offline iso2 < 0.1 |