Reaction	Dom. partonic process	probes	LO Feynman diagram
$ec{p}ec{p} o \pi + X$	$ec{g}ec{g} o gg \ ec{q}ec{g} o qg$	Δg	3) 000 g
$\vec{p}\vec{p} \to \mathrm{jet}(\mathrm{s}) + X$	$ec{g}ec{g} o gg \ ec{q}ec{g} o qg$	Δg	(as above)
$\vec{p}\vec{p} \to \gamma + X$ $\vec{p}\vec{p} \to \gamma + \text{jet} + X$	$ec{q} ec{g} ightarrow \gamma q \ ec{q} ec{g} ightarrow \gamma q$	$egin{array}{c} \Delta g \ \Delta g \end{array}$	چ—ر ر
$\vec{p}\vec{p} \to \gamma\gamma + X$	$ar{q}ar{q} o \gamma \gamma$	$\Delta q, \Delta ar q$	
$ec{p}ec{p} o DX,BX$	$ec{g}ec{g} ightarrow car{c}, bar{b}$	Δg	go o o o <
$\vec{p}\vec{p} \to \mu^+\mu^- X$ (Drell-Yan)	$\vec{q}\vec{\bar{q}}\to\gamma^*\to\mu^+\mu^-$	$\Delta q, \Delta ar q$	\cdot \(\lambda \)
$\vec{p}\vec{p} \to (Z^0, W^{\pm})X$ $p\vec{p} \to (Z^0, W^{\pm})X$	$\vec{q}\vec{q} \to Z^0, \ \vec{q}'\vec{q} \to W^{\pm}$ $\vec{q}'\vec{q} \to W^{\pm}, \ q'\vec{q} \to W^{\pm}$	$\Delta q, \Delta ar q$	>