The Resonance Group

	(g,ν)	(t,b)	γ	l	τ	ν	W	Z	H
j									
HF									
γ									
l									
τ									
ν									
W									
Z									
H									

j : HF

eg. $\gamma\gamma$

$\downarrow$

$1^{0,2}_{0}$

$SU(3)^{J}_{Q}$

Well Known Channels

$b\bar{b} \rightarrow$ MSSM

$ZZ \rightarrow$ SM H

$\ell^+\ell^- \rightarrow Z'$

$W^+W^- \rightarrow$ SM Higgs

$jj \Rightarrow$ Excited quarks, composites

$\ell\nu \rightarrow W'$

$Z\gamma \rightarrow$ technimesons

$t\bar{t} \rightarrow$ HFG

$WZ \rightarrow$

$tb \rightarrow$

Channels to be studied

1. $\gamma\gamma$ — KkG
2. $\ell^+\ell^-$ — A^0
3. $j\gamma$ / γZ — excited q / composite
4. $t\bar{b}$ — W' / $H^\pm$
5. ℓj — LQ / LG / $\not{R}$
6. tt — GUT RS / diquark H → other groups
7. $\ell^\pm\ell^-$, $W^\pm W^\pm$ — H^{++}
8. Wj → heavy Q
9. $W\ell$ / $Z\ell$ → heavy L
10. Wt / Wb — heavy Q
11. Zt / Zb — heavy Q

Signals set aside.

$W\gamma$

$t\bar{b}$

WH

ZH

HH

$H\gamma$

Hg

$H\bar{b}$

Ht

$b\bar{b}$