

**NEW  
STARS**

**STAR  
FORMATION:  
IMF  
possibly depends  
on metallicity**

**number of  
high mass stars  
determined by IMF**

**CYCLE OF  
STAR  
FORMATION  
IN SIMULATIONS**

**SUPERNOVAE  
AND OUTFLOWS**

**(metal) cooling:  
cooling function  
depends on  
metallicity**

**FEEDBACK:  
energy injection +  
metal production**

**HOT, METAL  
ENRICHED  
CGM**

**COLD GAS FROM  
GALACTIC FOUNTAIN**