

```
select
  p.objid, p.ra, p.dec,
  p.dered_u as umag, p.dered_g as gmag, p.dered_r as rmag, p.dered_i as imag,
  p.dered_z as zmag,
  s.z_noqso as z,
  p.petroMag_u as upetro, p.petroMag_g as gpetro, p.petroMag_r as rpetro,
  p.petroMag_i as ipetro
```

```
from PhotoObj AS p
  JOIN SpecObj AS s ON s.bestobjid = p.objid
WHERE
  s.z_noqso > 0
  AND s.zWarning_noqso = 0
  AND s.class = 'GALAXY'
```

```
WHERE
  rpetro < 19.5
  0.2>(rpetro-ipetro)+(gpetro-rpetro)/4 +0.18
```