

## Homework Problems due Friday Feb 17

### Problem 21.

Mandl and Shaw problem 3.3.

### Problem 22.

Mandl and Shaw problem 3.4.

### Problem 23.

Mandl and Shaw problem 3.5.

### Problem 24.

- A. Determine the Dirac spinors  $v_1(p)$  and  $v_2(p)$  for antiparticles.
- B. Determine the polarization sum  $\Lambda^-(p)$  for antiparticles.