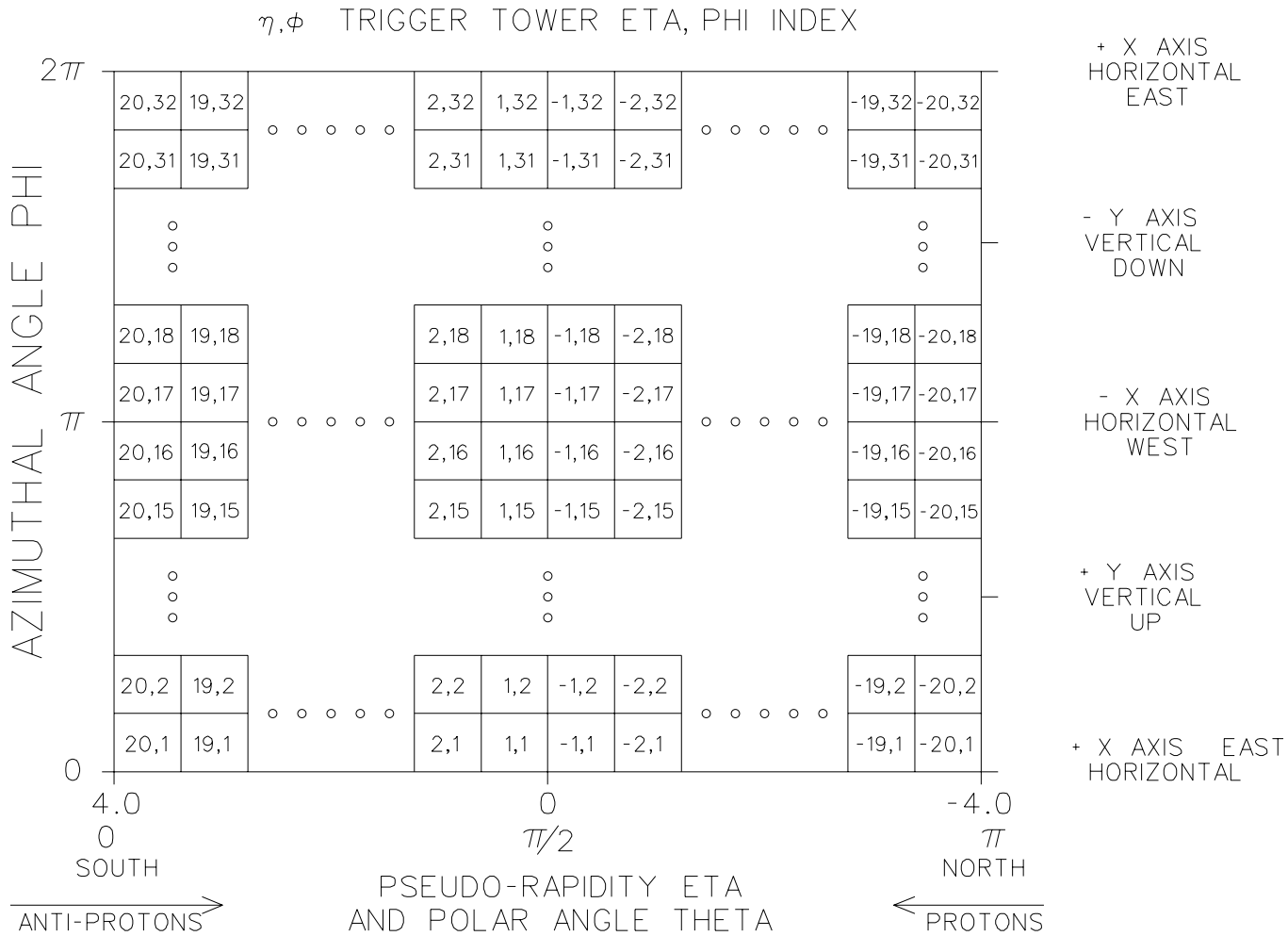FIRST LEVEL TRIGGER COORDINATE SYSTEM