```
+------------------------------------------+
|       r3::ParticleContactGenerator       |
+------------------------------------------+
|                                          |
+------------------------------------------+
| + ~ParticleContactGenerator()            |
| + addContact()                           |
| # ParticleContactGenerator()             |
+------------------------------------------+
                     △
                     |
+------------------------------------------+
|            r3::ParticleLink              |
+------------------------------------------+
| # m_particles                            |
+------------------------------------------+
| + ~ParticleLink()                        |
| + setParticles()                         |
| # ParticleLink()                         |
| # currentLength()                        |
+------------------------------------------+
                     △
                     |
+------------------------------------------+
|          r3::ParticleCollision           |
+------------------------------------------+
| # m_restitution                          |
| # m_distance                             |
| # m_penetration                          |
+------------------------------------------+
| + ParticleCollision()                    |
| + ~ParticleCollision()                   |
| + addContact()                           |
+------------------------------------------+
```