

Recent Progress

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```

#include "src/MFlow.cxx"

void TestMFlow() {
    // R_LOAD_LIBRARY(/data/Software/MPack/lib/libMF
    MFGF::ArrayFlowInit();

    MFGF::fArrayFlow[MFGV::kHadron].Fill(0.1,1.);
    MFGF::fArrayFlow[MFGV::kHadron].Print();
    MFGF::ArrayFlowReset(MFGV::kHadron);
    MFGF::fArrayFlow[MFGV::kHadron].Print();

    // MFGF::ArrayFlowFill(MFGV::kHadron, 0.1, 1.);
    // MFGF::ArrayFlowPrint(MFGV::kHadron);
    // MFGF::ArrayFlowReset(MFGV::kHadron);
    // MFGF::ArrayFlowPrint(MFGV::kHadron);
}

```

Processing TestMFlow.cpp...

```

MFlow::Print() :0x7f90405480c0
fQvectors.size() = 1
fQvectors[0].size() = 1
Q(0,0) = (1,0i)
MFlow::ReSet() :0x7f90405480c0
MFlow::Print() :0x7f90405480c0
fQvectors.size() = 1
fQvectors[0].size() = 1
Q(0,0) = (0,0i)

```

```

void MFlowGlobaFunctions::ArrayFlowInit()
{
    for (int i = 0; i < MFGV::kNTypes; i++) {
        fArrayFlow[i] = MFlow();
    }
}

void MFlowGlobaFunctions::ArrayFlowReset(int kType)
{
    if (kType == MFGV::kNTypes) {
        for (int i = 0; i < MFGV::kNTypes; i++) {
            fArrayFlow[i].ReSet();
        }
    } else if (kType == MFGV::kJpsiRelevant) {
        for (int i = MFGV::kHadron + 1; i < MFGV::kNTypes; i++) {
            fArrayFlow[i].ReSet();
        }
    } else {
        fArrayFlow[kType].ReSet();
    }
}

```



```

#include "MFlow.h"

void TestMFlow() {
    R_LOAD_LIBRARY(/data/Software/MPack/lib/libMFlow.so);
    MFGF::ArrayFlowInit();

    // MFGF::fArrayFlow[MFGV::kHadron].Fill(0.1,1.);
    // MFGF::fArrayFlow[MFGV::kHadron].Print();
    // MFGF::ArrayFlowReset(MFGV::kHadron);
    // MFGF::fArrayFlow[MFGV::kHadron].Print();

    MFGF::ArrayFlowFill(MFGV::kHadron, 0.1, 1.);
    MFGF::ArrayFlowPrint(MFGV::kHadron);
    MFGF::ArrayFlowReset(MFGV::kHadron);
    MFGF::ArrayFlowPrint(MFGV::kHadron);
}

```

```

sjzhu:Test$ root -l TestMFlow.cpp
root [0]
Processing TestMFlow.cpp...
MFlow::Print() :0x7f2d150f9840
fQvectors.size() = 1
fQvectors[0].size() = 1
Q(0,0) = (1,0i)
MFlow::ReSet() :0x7f2d150f9840
MFlow::Print() :0x7f2d150f9840
fQvectors.size() = 1
fQvectors[0].size() = 1
Q(0,0) = (0,0i)

```

```

void MFlowGlobaFunctions::ArrayFlowInit()
{
    for (int i = 0; i < MFGV::kNTypes; i++) {
        fArrayFlow[i] = MFlow();
    }
}

void MFlowGlobaFunctions::ArrayFlowReset(int kType)
{
    if (kType == MFGV::kNTypes) {
        for (int i = 0; i < MFGV::kNTypes; i++) {
            fArrayFlow[i].ReSet();
        }
    } else if (kType == MFGV::kJpsiRelevant) {
        for (int i = MFGV::kHadron + 1; i < MFGV::kNTypes; i++) {
            fArrayFlow[i].ReSet();
        }
    } else {
        fArrayFlow[kType].ReSet();
    }
}

void MFlowGlobaFunctions::ArrayFlowFill(int kType, double phi,
double weight)
{
    fArrayFlow[kType].Fill(phi, weight);
}

```